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GoldStar

DOUBLE DECK VIDEO CASSETTE RECORDER SERVICE MANUAL

MODEL: DV13P

CAUTION

BEFORE SERVICING THE UNIT, READ THE "SAFETY PRECAUTIONS" IN THIS MANUAL.

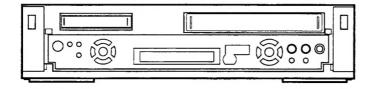


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SECTION 1 SUMMARY KEY TO ABBREVIATIONS

				PAIVIO	
Α	AC	:Alternating Current		LPF	:Low Pass Filter
	ACC	:Automatic Color Control	M	MAX	:Maximum
	ACSS	:Automatic Channel Setting System		MD	:Modulator
	ADJ	:Adjust		MECHA.CTL	:Mechanism Control
	A/E	:Audio Erase		MIC	:Microphone
	AFC	:Automatic Frequency Control		MIN	:Minimum
	AFT	:Automatic Fine Tuning		MIX	:Mixer, Mixing
	AGC	:Automatic Gain Control		M.M.	:Mono Multi Vibrator
	A.H.SW	:Audio Head Switch		MMV	:Monostable Multivibrator
	ALC	:Automatic Level Control		MOD	:Modulation, Modulator
	AM	:Amplitude Modulation		MODEN	:Modulation-Demodulator
	AMP	:Amplifier		MPX	:Multiplex
	ANT	:Antenna	N	NR	:Noise Reduction
	APC	:Automatic Phase Control	0	OSC	:Oscillator
	ASSY	:Assembly	0	OSD	:On Screen Display
_	AUX	:Auxiliary	- Р	PB	
В	В	:Base	- P	PCB	:Playback
	BGP	:Burst Gate Pulse		P.CTL	:Printed Circuit Board :Power Control
	BPF	:Bandpass Filter		PER-AMP	
	BS	:Brodcasting Satellite		P.F	:Preamplifier
	BW or B/W	:Black and White	_	PG	:Power Failure :Pulse Generator
С	C	:Capacitor, Chroma, Collector		PLL	:Phase Locked Loop
	CAN	:Cancel		PREM.DET	:Premire Detect
	CAP	:Capstan		P-P	:Peak to Peak
	CAP.BRK	:Capstan Brake		PS	:Phase Shift
	CAP.RVS	:Capstan Reverse		PWM	:Pulse Width Modulation
	CATV	:Cable Television		PWR CTL	:Power Control
	CBA	:Circuit Board Assembly	Q	Q	:Transistor
	CCD	:Charge Coupled Device	•	ÕН	:Quasi Horizontal
	C.CTL CFG	:Chro Control, Capstan Control		QSR	:Quick Set Record
	CHROMA	:Capstan Frequency Generator :Chrominance		QTR	:Quick Timer Record
	CNR	:Chroma Noise Reduction		QV	:Quasi Vertical
	COMB	:Combination	R	R	:Resistor, Right
	COMB	Comb Fitter	• • •	RE(or RC)	:Remocon, Receiver
	COMP	:Comparator		REC	:Recording
	001411	Composite		REC S.'H'	:Record Start 'Hight'
		Compensation		REF	:Reference
	CONV	:Converter		REG	:Regulated, Regulator
	C.ROT SW	:Color Rotary Switch		REMOCON	:Remote Control(unit)
	CS	:Chip Select		RF	:Radio Frequency
	C.SYNC	:Composite Synchronization		R/P	:Record/Playback
	CTL DIV	:Control Divide		RTC	:Reel Time Counter
	CUR	:Current	S	S	:Serial
	CYL	:Cylinder		S.ACCEL	:Slow Accel
D	D	:Drum, Digital, Diode, Drain	-	SAOP	:Second Audio Program
	D.ADJ	:Drum Adjust		SC	:Scart, Simulcast
	DC	:Direct Current		S.DET	:Secam Detect
	D.CTL	:Drum Control		SH	:Shift
	DEMOD	:Demodulator		SHARP	:Sharpness
	DET	:Detect		SIF	:Sound Intermediate Frequency
	DEV	:Deviation		SLD S/N	:Side Locking
	DHP	:Double High Pass		SP	:Signal to Noise Ratio
	DIGITRON	:Digital Display Tube		ST	:Standard Play
	DL DOC	:Delay Line		SUB	:Stereo :Subtract, Subcarrier
	DUB	:Drop Out Compensator :Dubbing		SW or S/W	:Switch
	D.V SYNC	:Dummy Vertical Synchronization		SYNC	:Synchronization
_	Annual Control of the		-	SYSCON	:System Control
E	E EE	:Emitter :Electric to Electric	7	T T	:Coil
	EMPH	:Emphasis	,	TP	:Test Point
	ENA	:Enable		TR	:Transistor
	ENV	:Envelope		TRK	:Tracking
	EP	:Extended Play		TRANS	:Transformer
	EQ	:Equalizer		TU	:Tuner, Take-Up
	EXP	:Expander	U	UHF	:Ultra Hight Frequency
F	F	:Fuse		UNREG	:Unregulated
,	FB	:Feed Back	V	V	
	FBC	:Feed Back Clamp	٧	VA	:Volte, Vertical, Video :Voltage Alive
	FE	:Full Erase		vĉo	
	FG	:Frequency Generator		VGC	:Voltage Controlled Oscillator :Voltage Gain Control
	FL	:Filter		VHF	:Voltage Gain Control :Very High Frequency
	FM	:Frequency Modulation		V.H.SW	:Very high Frequency :Video Head Switch
	F/R	:Forward/Reverse		VISS	:VHS Index Search System
	FS	:Frequency Synthesizer		VPS	:Video Program System
	FSC	:Subcarrier Frequency		VR	:Variable Resistor or Volume
	FN	:Frequency Voltage		V-SYNC	:Vertical Synchronization
G	GEN	:Generator	•	VTG	:Voltage
Н	H	:High, Horizontal	•	VV	:Video to Video
	IC .		-	VXO	:Voltage X-tal Oscillator
1		:Intergrated Circuit	w	W	:Watt
	IF INC	:Intermediate Frequency	••	WHT	:White
	INS	:Insert		W/O	:With Out
L	L	:Low, Left, Coil	x	X-TAL	
	LD ATO OT	:Loading			:Crystal
	LD VTG CTL	:Loading Voltage Control	Υ	Y/C	:Luminance/Chrominance
	LECHA L.M	:Letter Character	-	YNR	:Luminance Noise Reduction
	3 AA	:Level Meter	Z	ZD	:Zener Diode
	LP	Long Play	_		.Zeriei Diode

IMPORTANT SAFETY PRECAUTIONS

Prior to shipment from the factory, the products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

· Precautions during Servicing

- 1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.
- 2. Parts identified by the A symbol and shaded () parts are critical for safety. Replace only with specified part numbers.

Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

- 3. Use Specified internal wiring. Note especially:
 - 1) Wires covered with PVC tubing
 - 2) Double insulated wires
 - 3) High voltage leads
- Use specified insulating materials for hazardous live parts. Note especially:
 - 1) Insulation Tape
 - 2) PVC tubing
 - 3) Spacers
 - 4) Insulation sheets for transistor
- When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.(Fig. 1)
- Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)
- Check that replaced wires do not contact sharp edged or pointed parts.
- When a power cord has been replaced, check that 10-15Kg of force in any direction will not loosen it.(Fig. 2)
- 9. Also check areas surrounding repaired locations.

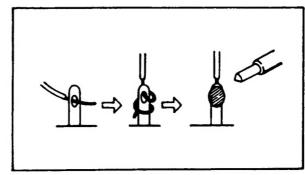


Fig. 1

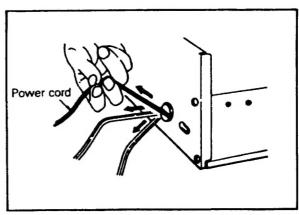


Fig. 2

- 10. Products using cathode ray tubes (CRTs)
 - In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the parts specified. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

SAFETY CHECK AFTER SERVICING

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

Insulation resistance test

Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table below.

· Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts

of the set(RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table below.

Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table below.

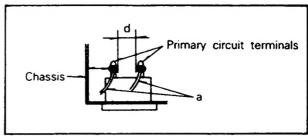


Fig. 3

Table 1:Ratings for selected areas

AC Line Voltage	Line Voltage Region		Dielectric Strength	Clearance Distance(d),(d)
*110 to 130 V 200 to 240 V	Europe Australia	≧10 MΩ/500 V DC	4kV 1 minute	≩6mm(d) ≥8mm(d) (a Power cord)

^{*}Class II model only.

Note. This table is unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

Leakage Current test

Confirm specified or lower leakage current between B(earth ground, power cord plug prongs) and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.)

Measuring Method: (Power ON)

Insert load Z between Blearth ground, power cord plug prongs) and exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure and following table.

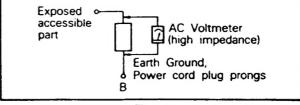


Fig. 4

Table 2:Leakage current ratings for selected areas

AC Line Voltage	Region	Load Z	Leakage Current(i)	Earth Ground (B) to:
100 to 130 V	Europe	~—₩ —∘ 2kΩ	i≤0.7m A peak i≤2m A dc	Antenna earth terminals
200 to 240 V	Australia	•—	i≦0.7m A peak i≤2m A dc	Other terminals

Note. This table is unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

INTRODUCTION

This service manual provides a variety of service information. It contains the mechanical structure of the Double Deck Video Cassette Recorder together with mechanical adjustments and the electronic circuits in

schematic form. This Double Deck VCR was manufactured and assembled under our strict quality control standards and meets or exceeds industry specifications and standards.

FEATURES

- the VHS and Hi 8mm system with HQ-picture technology for extraordinary picture sharpness and high resolution.
- Hi-Fi stereo for excellent sound quality including a NICAM sound decoder.
- the channels will be preset and memorized automatically.
- automatic power and playback.
- four VHS video heads for a clear still image and a variable slow motion.
- three Hi 8mm video heads for Hi 8mm playback, standard 8mm playback also possible.
- · assemble editing from 8 mm tape to VHS tape.
- the easy searching of your recordings by automatic and manual index marking, which can also be erased.
- the blank search system for searching the unrecorded portion of the tapes.

- the quick mechanism for fast tape function transitions.
- · the long play VHS recording and playback facility.
- the real time tape counter and the VHS remaining tape time display.
- eight programme timer, programmable up to one year in advance, can be set for daily or weekly recording.
- the on-screen display of many functions e.g. the stored timer programmes.
- and many more, like additional Euro-AV sockets, audio dubbing, child lock, immediate recording timer, and title generator.
- built-in ShowView Programming: Optional Function ShowView is a trademark applied for by Gemstar Development Corp.

ShowView system is manufactured under license from Gemstar Development Corporation.

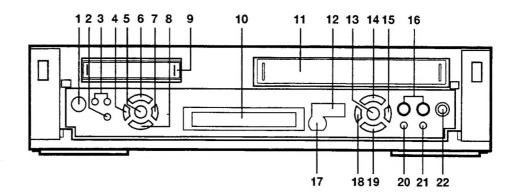
SPECIFICATIONS

General		
Power supply :		AC 230V (±10%), 50Hz
Power consumption :		Approx. 35W
Cabinet size($W \times H \times D$):		430×99×390mm
Weight:		Approx. 8.2Kg
Operating temperature :		5°C to 35°C surrounding temperature
Operating humidity:		35-80%
8 mm Player section		
Format:		8 mm PAL Standard
Heads:		3 video heads
Tape speed :	(SP)	20.05 mm/sec.
	(LP)	10.025 mm/sec.
Tape width:		8 mm
Video output :		1 Vpp 75 ohm unbalanced
Audio output :		0 dBm, less than 1 Kohm
VHS Recorder section		
Format:		VHS PAL Standard
Heads:		4 video heads
Tape speed:	(SP)	23.39 mm/sec.
	(LP)	11.635 mm/sec.
Tape width:	(/	12.7 mm
Video:		PAL B/G
Recording/playback time:		300 min. (LP : 600 min.)
3, -, -, -		with E-300
Aerial input:		PAL : VHF 01-11
		UHF 21-69
		CATV S01-S41
		HYPER 71-73
RF output :		UHF channels 32~40 (Variable)
Video input:		1 Vpp 75 ohm unbalanced
Video output :		1 Vpp 75 ohm unbalanced
S/N ratio (video):		45dB nominal
Audio input :		0dBm, more than 50 Kohm
Audio output :		0dBm, less than 1 Kohm
Audio track:		Mono track & Hi-Fi tracks
S/N ratio (audio):		NORMAL: >45dB/Hi-Fi: >68dB (JIS A FILTER)
Audio frequency range:		NORMAL : 100Hz-10kHz (-6/+3)
		Hi-Fi : 20Hz-20kHz
Audio dynamic range:		Hi-Fi Audio : >75dB (JIS A FILTER)
* Designs and englifications are subject to char	aaa wiithaut aa	

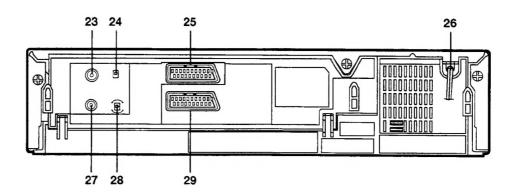
* Designs and specifications are subject to change without notice.

LOCATION OF CUSTOMER CONTROLS

FRONT



REAR



- 1. OPERATE ON/OFF BUTTON
- 2. OTC BUTTON

8 mm Player section

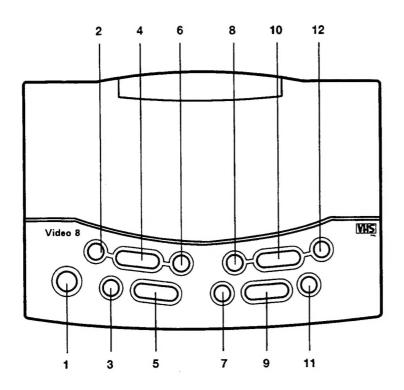
- 4. REWIND/REVIEW BUTTON
- 5. STOP/EJECT BUTTON
- 6. PLAY BUTTON
- 7. FAST FORWARD/CUE BUTTON

VHS Recorder section

- 11. CASSETTE COMPARTMENT
- 12. AUDIO LEVEL METER
- 13. STOP/EJECT BUTTON
- 14. PLAY (×2) BUTTON
- 15. FAST FORWARD/CUE BUTTON
- 16. AUDIO RECORDING LEVEL CONTROLS (L/R)
- 17. REMOTE CONTROL SENSOR (8mm & VHS)
- 18. REWIND/REVIEW BUTTON
- 19. P/STILL BUTTON
- 20. RECORD BUTTON

- 3. PR/TRK (-/+) BUTTONS
- 8. STILL BUTTON
- 9. CASSETTE COMPARTMENT
- 10. MULTI FUNCTION DISPLAY (8mm & VHS)
- 21. AUDIO DUBBING BUTTON
- 22. MIC IN JACK
- 23. AERIAL INPUT SOCKET
- 24. TPSG ON/OFF SWITCH
- 25. EURO-AV 1 SOCKET
- 26. MAINS LEAD
- 27. RF OUTPUT
- 28. VIDEO CHANNEL CONTROL
- 29. EURO-AV 2 SOCKET

REMOTE CONTROL



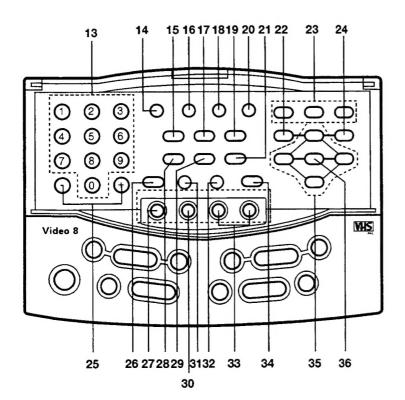
1. OPERATE ON/OFF BUTTON

8 mm Player section

- 2. REWIND/REVIEW BUTTON
- 3. STILL BUTTON
- 4. PLAY BUTTON
- 5. STOP BUTTON
- 6. FAST FORWARD/CUE BUTTON

VHS Recorder section

- 7. P/STILL BUTTON
- 8. REWIND/REVIEW BUTTON
- 9. STOP BUTTON
- 10. PLAY (×2) BUTTON
- 11. FRAME ADVANCE BUTTON
- 12. FAST FORWARD/CUE BUTTON

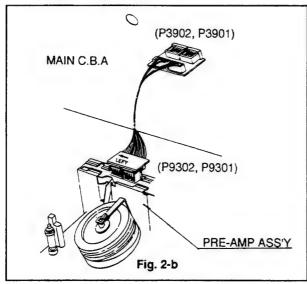


- 13. NUMBER BUTTONS
- 14. TAPE SPEED SELECT BUTTON (LP)
- 15. MIC MIX BUTTON
- 16. TV/VCR BUTTON: *
- 17. CHILD LOCK BUTTON
- 18. MONITOR BUTTON
- 19. TU/AV BUTTON
- 20. SHOWVIEW BUTTON: *
- 21. REC/QSR BUTTON
- 22. MENU BUTTON
- 23. VISS BUTTONS
- 24. CLEAR BUTTON
- 25. PR/TRK (+/-) BUTTONS
- 26. AUTO TRACKING BUTTON
- 27. EDIT BUTTON
- 28. B.SEARCH BUTTON
- 29. AUDIO DUBBING BUTTON
- 30. OTC BUTTON
- 31.8mm RESET BUTTON
- 32. VHS RESET BUTTON
- 33. SLOW BUTTONS
- 34. RESET BUTTON
- 35. CURSOR BUTTONS
- 36. OK BUTTON
- * * : Optional Function

SECTION 2 CABINET & MAIN FRAME SERVICE FIXTURE CONNECTING METHOD

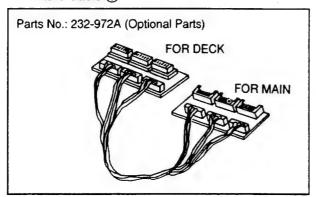
1. SVC FIXTURE Connecting Method

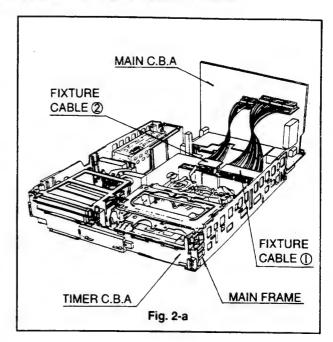
- A. FIXTURE Cable (1) Connecting Method.
- a) Connect the FIXTURE Cable (1) between Main C. B.A and Junction C.B.A. (P2J01, P2J02, P2J03)
- b) At this time, should be in the left side " ← LEFT" mark on the P.C.B of the FIXTURE Cable ①. (See Fig. 2-a, 2-c)
- c) Connect the connector of "MAIN" mark of FIXTURE Cable ① with the Main C.B.A and the connector of "JUNCTION" mark with the Junction C.B.A. (See Fig. 2-a, 2-c)
- B. FIXTURE Cable (2) Connecting Method.
- a) Connect the FIXTURE Cable ② between Main C.
 B.A and Pre-Amp Ass'y. (P3901=P9301, P3902=P9302)
- c) Connect the connector of "MAIN" mark of FIXTURE Cable ② with the Main C.B.A and the connector of "JUNCTION" mark with the Pre-Amp Ass'y. (See Fig. 2-a, 2-b)

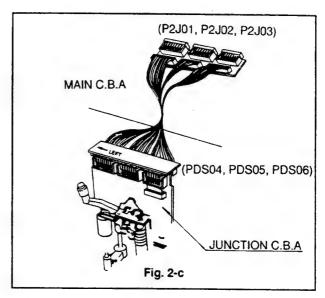


2. Electrical Service Fixture List

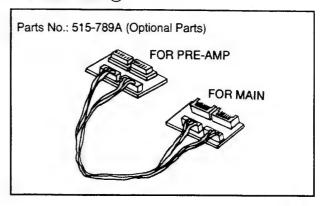
A. Fixture Cable (1).







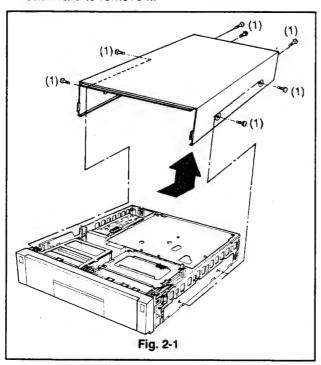
B. Fixture Cable (2).



CABINET DISASSEMBLY

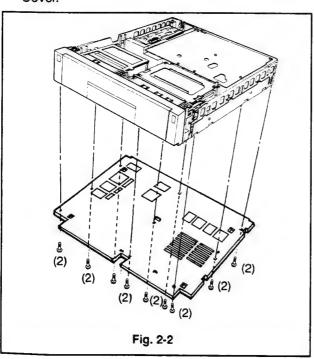
1. Top Case

- A. Release 7 screws (1).
- B. Hold the back of Top Case and lift it up slightly backward to remove it.



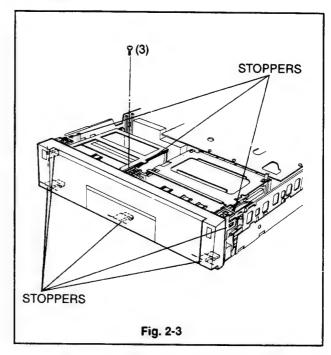
2. Bottom Cover

A. Release 9 screws (2) to remove the Bottom Cover.



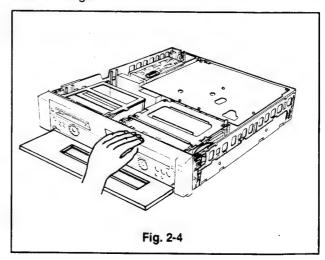
3. Front Panel

- A. Release 1 screws (3).
- B. Remove the stoppers on the top of Front Panel.
- C. Remove the stoppers on the bottom side Front Panel.



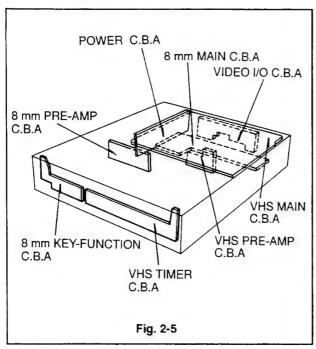
* Caution

When reassemble the Front panel, assemble it in condition of inserting the Door Cassette inside, as shown in Fig.2-4



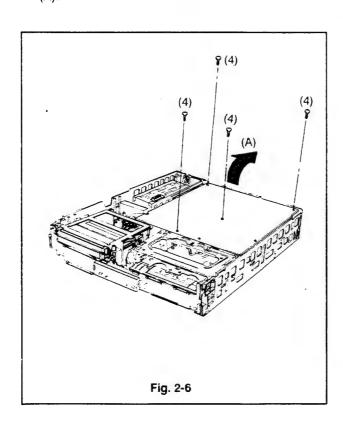
CIRCUIT BOARD DISASSEMBLY

1. Circuit Board Arrangement



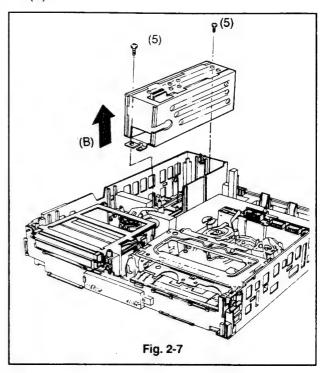
2. VHS Main Circuit Board

- A. Release 4 screws (4).
- B. Remove the Main C.B.A in the direction of arrow (A).



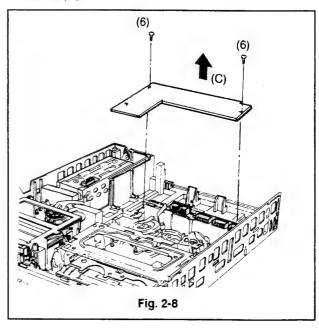
3. Power Circuit Board

- A. Remove the Bottom Cover. (Fig. 2-2)
- B. Release 2 screws (5).
- C. Remove the Power C.B.A in the direction of arrow (B).



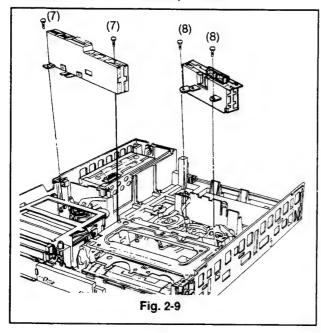
4. 8mm Main Circuit Board

- A. Release 2 screws (6).
- B. Remove the 8mm Main C.B.A in the direction arrow (C).



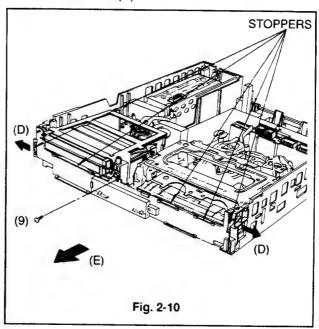
5. 8mm/VHS Pre-Amp Circuit Board

- A. Release 2 screws (7).
 B. Remove the 8mm Pre-Amp C.B.A.
- C. Release 2 screws (8).
- D. Remove the VHS Pre-Amp C.B.A.



6. 8 mm/VHS Key Function Circuit Board

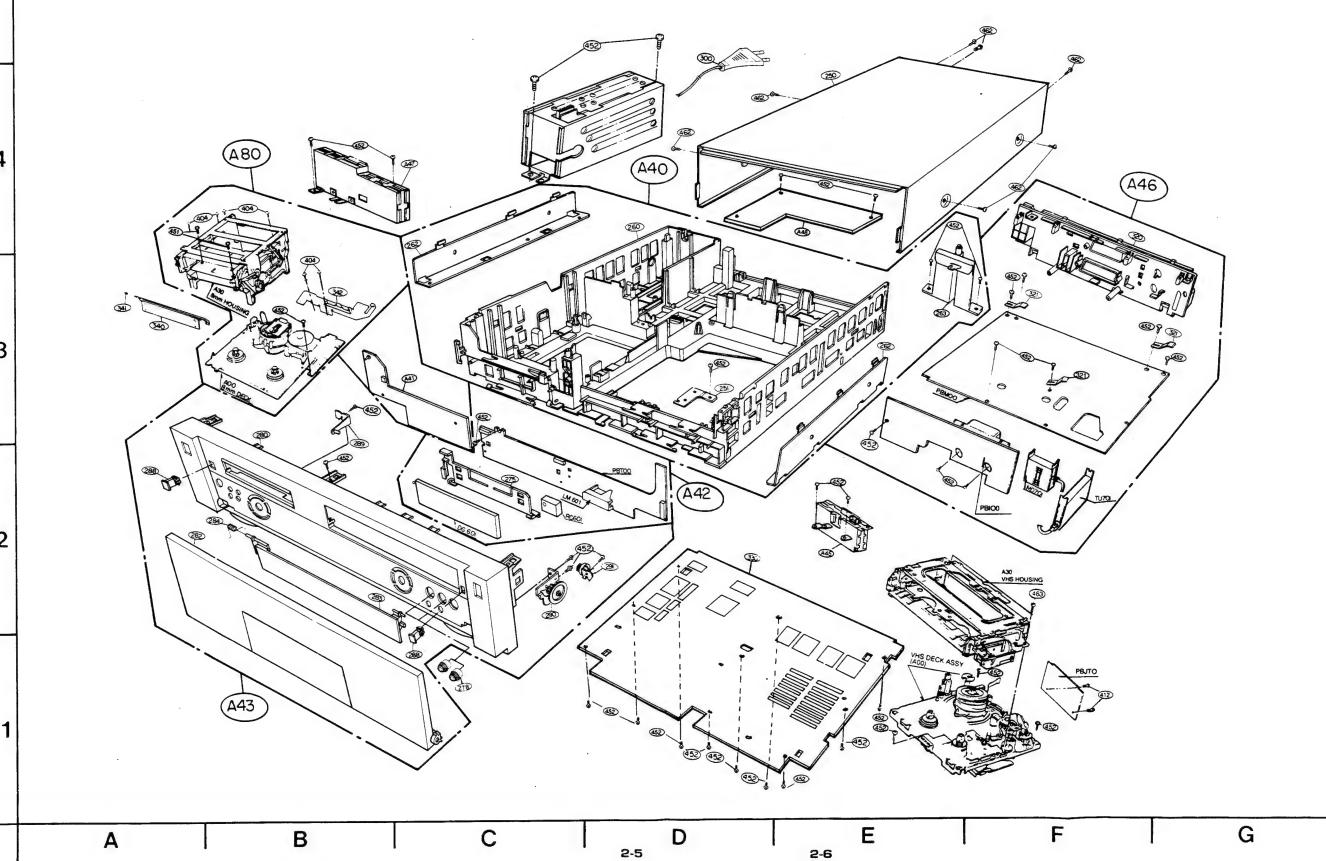
- A. Release 1 screw (9).
- B. Release 9 stoppers in the direction arrow (D).
 C. Remove the 8mm/VHS Key Function C.B.A in the direction arrow (E).



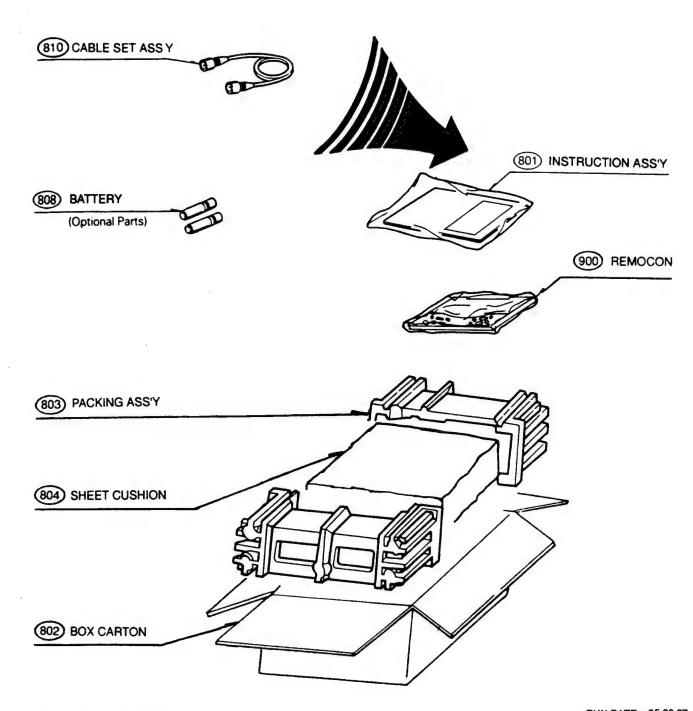
• Cabinet & Main Frame Section Replacement Parts List

REMARK	SPECIFICATION	DESCRIPTION	PART NO(GS)	LOCA.NO	AL.
	SECTION	ASSEMBLY PART			
NSP	ASSY MAIN	FRAME	315-314N	A40	
Nor	KEYBOARD 2NDDD1S	BOARD ASSY	3501R-0249A	A41	ш
	TIMER 2NDDD1S	BOARD ASSY	3501R-0248A	A42	ΙI
	ASSY FRONT	PANEL	258-722K	A43	
	SMPS	BOARD ASSY	3501R-0247B	A44	
ł	PRE AMP ASSY	MODULE	501-522A	A45	
1	MAIN	BOARD ASSY	3501R-0245D	A46	H
- 1	8MM PRE-AMP	BOARD ASSY	3501R-0251A	A47	
	8MM MAIN	BOARD ASSY	3501R-0246A	A48	i
	ON	PARTS SEC			_
	1700	CASE	217-472C	250	
ì	TOP	BRACKET	321-526A	251	
	HOUSING	FRAME	315-300B	260	
NSP	MAIN	PLATE	257-061A	262	
NSP	GND (FTZ)		324-976A	263	
NSP	PWB	HOLDER	324-970A 324-872A	275	
	DIGITRON	HOLDER			
	TRACKING	KNOB	273-116A	278	
NSP	FRONT	PANEL	258-717E	280	
	ASSY DOOR	COVER	220-075F	282	
	CST	DOOR	226-104D	283	- 1
	DOOR	SPRING	442-469A	284	
	ASSY DOOR	MAGNET	524-013A	288	- 1
	ASSY COVER DOOR	BRACKET	321-718A	289	- 1
1	ASSY DAMPER	BRACKET	321-719A	290	
	ASSY DAMPER(T;60)	GEAR	435-465B	291	
1	H03VVH2-F 2X0.75MM LP21R/PE221	CORD	681-951A	300	- 1
	ASSY DISTRIBUTOR	PANEL.	258-596G	320	
	BOTTOM GROUND	PLATE	257-006A	321	- 1
1	BOTTOM	COVER	221-834A	330	- 1
İ	CST 8MM	DOOR	226-064J	340	
1	DOOR	SPRING	442-591A	341	
	ASSY PIAMP 8MM	HOLDER	340-088A	342	\perp
		SCREW			
T	(3X10 FZMY)	SCREW	353-046C	452	
	SPECIAL(3X10 FZMY)	SCREW			- 1
1	(3X10 FZMY)	SCREW	353-046C		
1	SPECIAL(4.6X12.5 FBK)	SCREW			- [
1	SPECIAL (4.6X12.5 FBK)	SCREW			- 1

_				RUN : DATE : 95. 09. 2				
\$	AL	LOCA.NO	PART NO(GS)	SPECIFICATION				
	CIRCUIT BOARD ASSEMBLY							
		PBICO PBJTO PBMOO PBTOO	6871R-0252A 515-908B 6871R-0245D 6871R-0248A	I/O BOARD (2NDDD1S) JUNCTION 2 (G/S) VHS MAIN (DV13P 3GL1) TIMER 2NDDD1S				



2. Packing Accessory Section

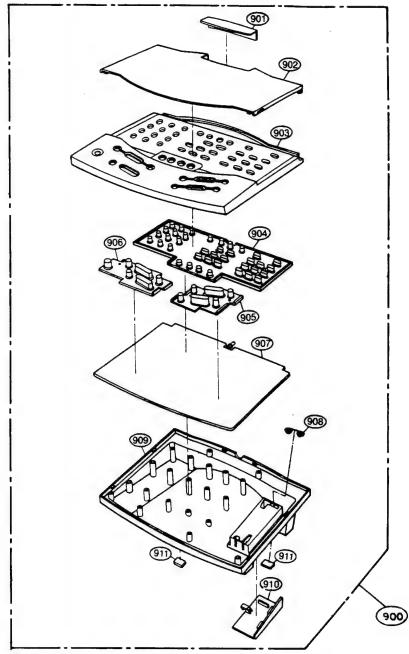


• Replacement Parts List

RUN DATE: 95.09.27
NSP: Not Service Part

s	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		801	480-657G	INSTRUCTION ASSY		
ı		802	290-371A	BOX CARTON		
		803	283-217A	PACKING		
l		804	291-002D	SHEET CUSHION		NSP
l		808	534-008C	BATTERY	AAAM(R03) 1.5V 1PAIR(LOCAL)	
		810	861-505J	CABLE SET ASSY	RF-CABLE ASSY PAL FTZ	

3. Remote Control Section



• Replacement Parts List

RUN DATE: 95.09.27
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		900	597-121F	REMOTE CONTROL	2ND D/DECK ASSY	
		901	236-558A	WINDOW	FILTER(2ND D/D)	NSP
		902	220-084A	COVER	D/D3 R/C	NSP
		903	217-485J	CASE	TOP	NSP
		904	275-699B	BUTTON	2ND D/DEC	NSP
		905	275-612A	BUTTON	RUBBER VHS (R/C)	NSP
		906	275-611C	BUTTON	RUBBER 8MM (R/C)	NSP
		907	515-824E	PWB ASSY!	REMOCON (2ND DOUBLE DECK)	NSP
		908	442-611A	SPRING	COIL (R/C)	NSP
		909	217-486D	CASE	BOTTOM	NSP
		910	221-857D	COVER	BATTERY	
		911	477-054A	RUBBER	BUMPON	NSP

SECTION 3 ELECTRICAL ELECTRICAL ADJUSTMENT PROCEDURES

• Electronic Test Equipment Requirement

- Oscilloscope
- · Video signal Generator
- · Level Meter
- · Frequency Counter
- · + Driver
- · Test Tape (SP)-PAL, (VHS,
- 8mm)
- · Test Tape (SP)-PAL Stereo
- (8mm)
- · Recording Tape (VHS)
- Digital Multimeter

1. VHS Circuit Adjustment

1-1. Servo Circuit

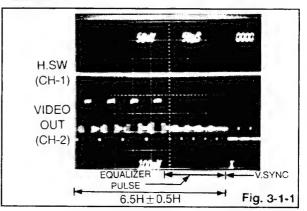
1-1-1. PG Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
PLAYBACK	$6.5H \pm 0.5H$ (1H=64.0 μ sec)	TP201 (H.SW) TP202 (V.Out terminal)	VR201

Procedure:

- a. Connect CH-1 of oscilloscope to TP201 (H.SW) and CH-2 to TP202 (Video Out terminal).
- b. Playback a VHS PAL SP test tape.
- c. Trigger the complex Video signal to CH-1 H.SW, and adjust VR201 so that the distance from switching point of H.SW signal to the starting point of vertical synchronized signal is 6.5H± $0.5H (416 \pm 32 \mu sec)$.

Waveform



1-2. Audio Circuit

1-2-1. Record Bias Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
RECORD (SP)	2.5 ± 0.1 mV	R473 Both Terminal	VR403

Procedure:

- a. Connect (+), (-) terminal of Level Meter to both terminals R473. : TP403 (+), TP404 (-)
- b. Loading the recording tape and record.
- c. Adjust VR403 so that the oscillation voltage fit to specification.

1-2-2. VCO (Record Current Frequency) Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
AV/EE	1.4MHz±5kHz	IC402 Pin (\$)(TP401)	VR401
(without signal)	$1.8 MHz \pm 5 kHz$	IC402 Pin (10 (TP402)	VR402

Procedure:

- a. Disconnect the P4904 connector Ass'y from VHS Main circuit board.
- b. Connect the P4904 Pin (4) to the P4904 Pin (5).
- c. Connect the Frequency Counter to IC402 Pin (TP401) and adjust VR401 so that the Frequency Counter is 1.4MHz±5kHz.
- d. Connect the Frequency Counter to IC402 Pin (2) (TP402) and adjust VR402 so that the Frequency Counter is 1.8MHz±5kHz.

Reference)

The set and the Frequency Counter should be connected with 1:1 probe.

1-3. Tuner/IF Circuit

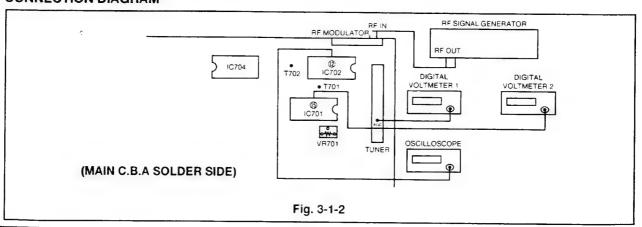
1-3-1. AFC Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
CH-11 (217.25MHz) PAL B/G Reception	DC 2.5V±0.1V	IC701 Pin (5) (AFC TP)	T701

Procedure:

- a. Connect as shown in Fig. 3-1-2.
- b. Receive the CH-11 (217.25MHz, strength of RF electric field : $70dB\mu V$).
- c. Adjust T701 so that the Digital voltmeter 2 is DC 2.5 ± 0.1 V.

CONNECTION DIAGRAM



1-3-2. RF AGC Adjustment

MODE	SPECIFICATION MEASUREMENT POINT		ADJUSTMENT POINT
CH-11 (217.25MHz) Normal Reception	DC 5.5±0.1V	Tuner AGC Terminal (AGC TP701)	VR701

Procedure:

- a. Connect as shown in Fig. 3-1-2.
- Receive the CH-11 (217.25MHz, strength of RF electric field : 70dBμV).
- c. Adjust VR701 so that the Digital voltmeter 1 is DC 5.5 ± 0.1 V.

1-3-3. SIF Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
CH-11 (217.25MHz) Normal Reception	Refer to waveform	IC702 Pin @ (SIF TP703)	T702

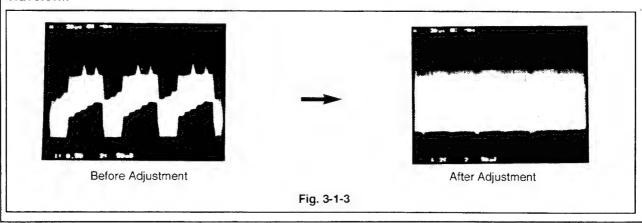
Procedure:

- a. Connect as shown in Fig. 3-1-2.
- b. Receive the CH-11 (217.25MHz, strength of RF electric field: $70dB\mu V$).
- c. Adjust T702 so that the waveform of oscilloscope is as shown in Fig. 3-1-3.

d. Setting mode of oscilloscope

Time: 20µsec. Voltage: 0.5V.

Waveform



*Caution in testing

- 1. When practing this adjustment, adjust after more than 10minutes with TV set turning on.
- 2. Adjust after completing itself test of measuring apparatus.
- 3. Sweep OSC marker frequency is followed by Table 1.

*Abbreviation

- · APC : Adjacent Picture Carrier
- SIF : Sound Intermediate FrequencyCIF : Color Intermediate Frequency
- CEN: Center Frequency
- PIF : Picture Intermediate Frequency
- · ASC : Adjacent Sound Carrier

Table 1 Frequency Table

(MHz)

BROADCASTING	ADJUSTMENT MARKER FREQUENCY					
SYSTEM	APC	SIF	CIF	CEN	PIF	ASC
PAL B/G	31.90	33.40	34.47	36.00	38.90	40.40

2. 8mm Circuit Adjustment

2-1. Servo Circuit

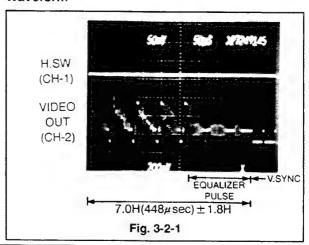
2-1-1. PG Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
PLAYBACK	7H±1.8H (1H=64.0⊭sec)	P2814 Pin (3) (H.SW) PV402 Pin (1) (V.Out terminal)	VR202

Procedure:

- a. Connect CH-1 of oscilloscope to TP801 (P2814 Pin ③, H.SW) and CH-2 to TP802 (PV402 Pin ①, Video Out terminal).
- b. Playback a 8mm PAL SP test tape.
- c. Trigger the complex Video signal to CH-1 H.SW, and adjust VR202 so that the distance from switching point of H.SW signal to the starting point of vertical synchronized signal is 7H±1.8H (448±115.2µsec).

Waveform



2-2. Y/C Circuit

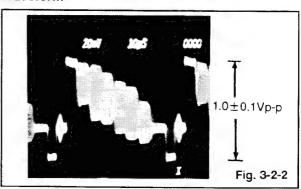
2-2-1. Playback Output Level Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
PLAYBACK (SP)	1.0±0.1Vp-p	TP3A1 (8mm Video Out)	VR3A0

Procedure:

- a. Connect CH-1 of oscilloscope to TP3A1.
- b. Playback a 8mm PAL SP test tape (Color bar with 100% white signal).
- c. Adjust VR3A0 so that Video out level is $1.0 \pm 0.1 \text{Vp-p}$.
- d. If only measurement point is the Video out Jack (SCART Jack), specification is 2±0.2Vp-p.

Waveform



2-2-2. Color VCO Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
PLAYBACK (SP)	DC 2.5±0.1V	TP3A2	FL3A1

Procedure:

- a. Connect CH-1 of oscilloscope to TP3A2.
- b. Playback a 8mm PAL SP test tape (Color bar with 100% white signal).
- c. Adjust FL3A1 so that DC level is 2.5 ± 0.1 V.

2-3. Audio Circuit

2-3-1. VCO Adjustment

MODE	SPECIFICATION MEASUREMENT		ADJUSTMENT POINT
STOP	DC 2.05±0.1V	TP4A2	VR4A0
		TP4A4	VR4A4

Procedure:

- a. Connect the Digital Multimeter to TP4A2 and adjust VR4A0 so that the Digital Multimeter is DC2.05 \pm 0.1V.
- b. Connect the Digital Multimeter to TP4A4 and adjust VR4A4 so that the Digital Multimeter is DC2.05 \pm 0.1V.

2-3-2. Deviation (L) Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
PLAYBACK (SP)	0±0.5dBm	SCART AUDIO (L) OUT	VR4A1

Procedure:

- a. Connect the (+) terminal of Level Meter to SCART Audio (L) Out.
- b. Playback a 8mm PAL Mono test tape.
- c. Adjust VR4A1 so that level is 0 ± 0.5 dBm.

2-3-3. Deviation (R) and Matrix Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
PLAYBACK (SP)	0 + 3dBm	SCART AUDIO (R) OUT	VR4A3
	0±3dBiii	SCART AUDIO (L), (R) OUT	VR4A2

Procedure:

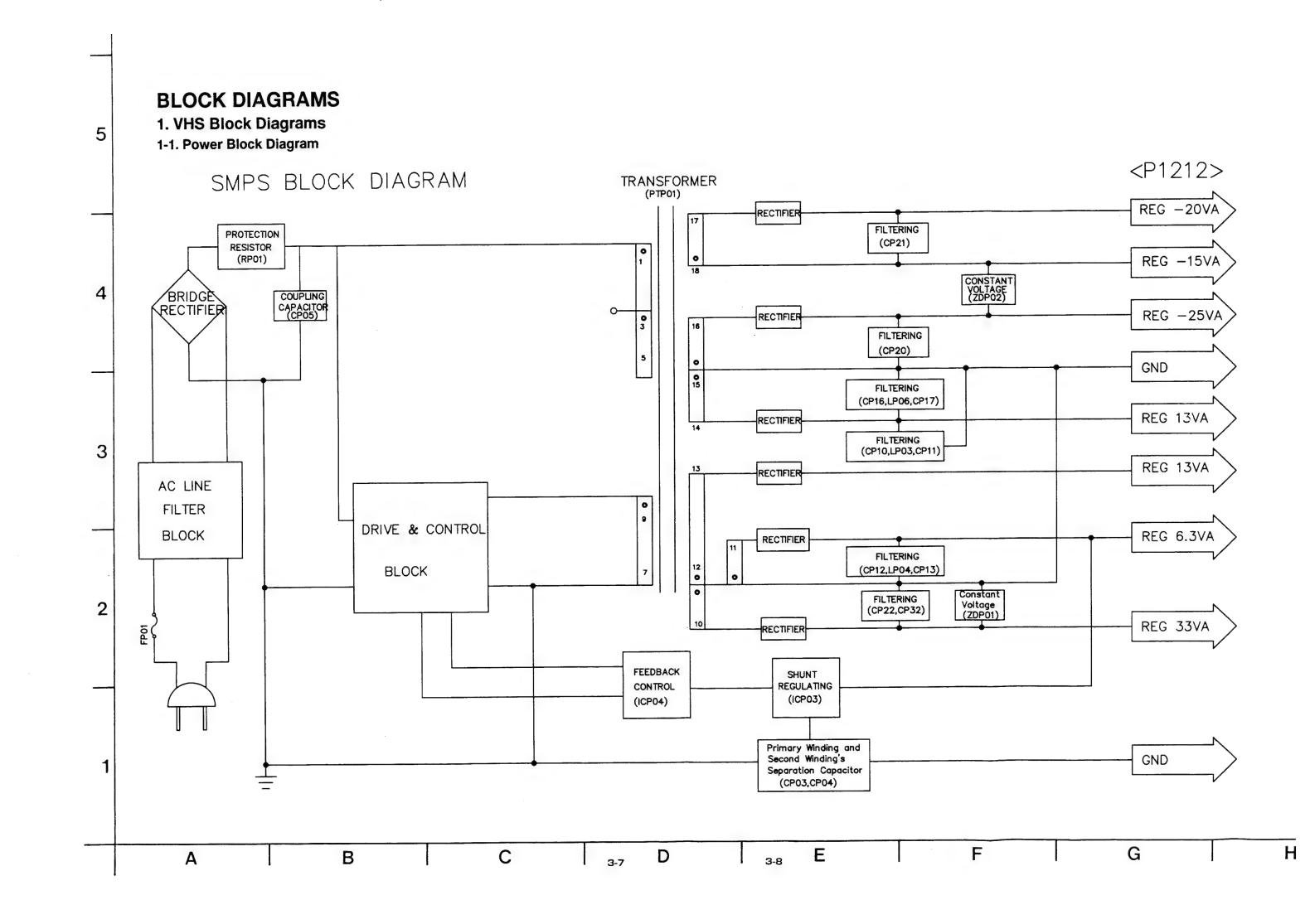
- a. Connect the (+) terminal of Level Meter to SCART Audio (R) Out.
- b. Playback a 8mm PAL Stereo test tape.
- c. Adjust VR4A3 so that level is $0\pm3dBm$.
- d. And then, connect the CH-1 of oscilloscope to SCART Audio (L) Out.
- e. Connect the CH-2 of oscilloscope to SCART Audio (R) Out.
- Adjust VR4A2 so that the separation of stereo is done well.

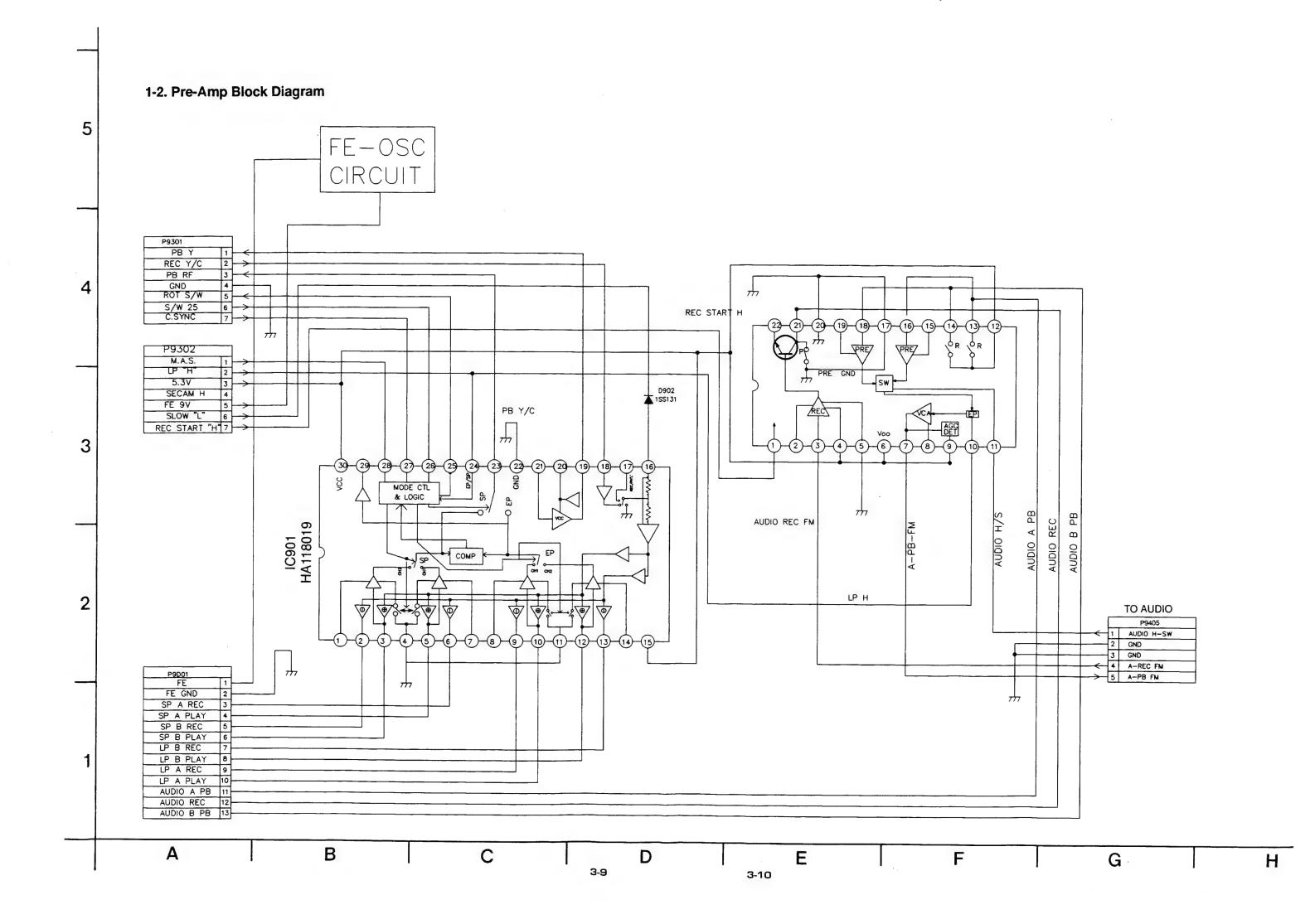
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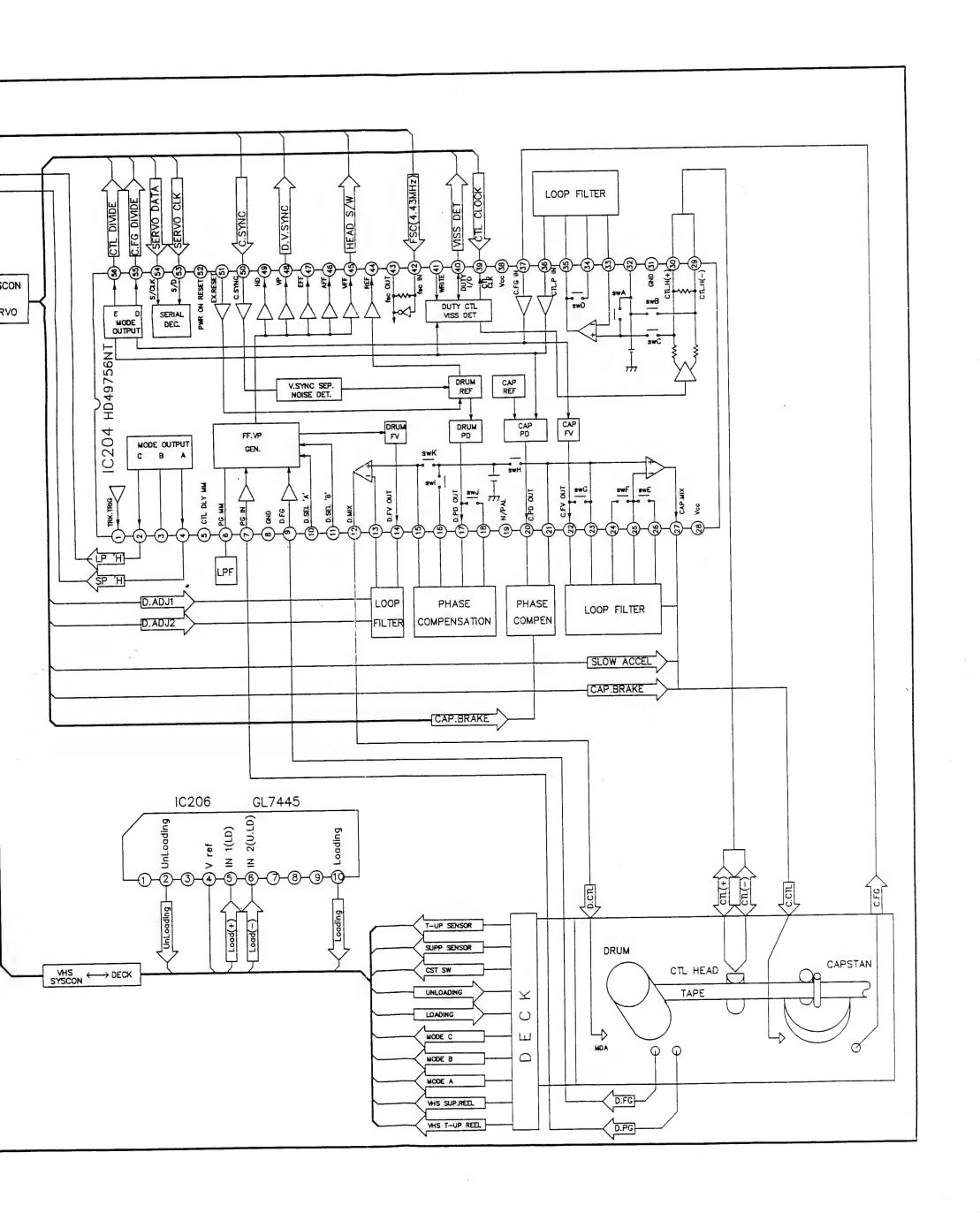
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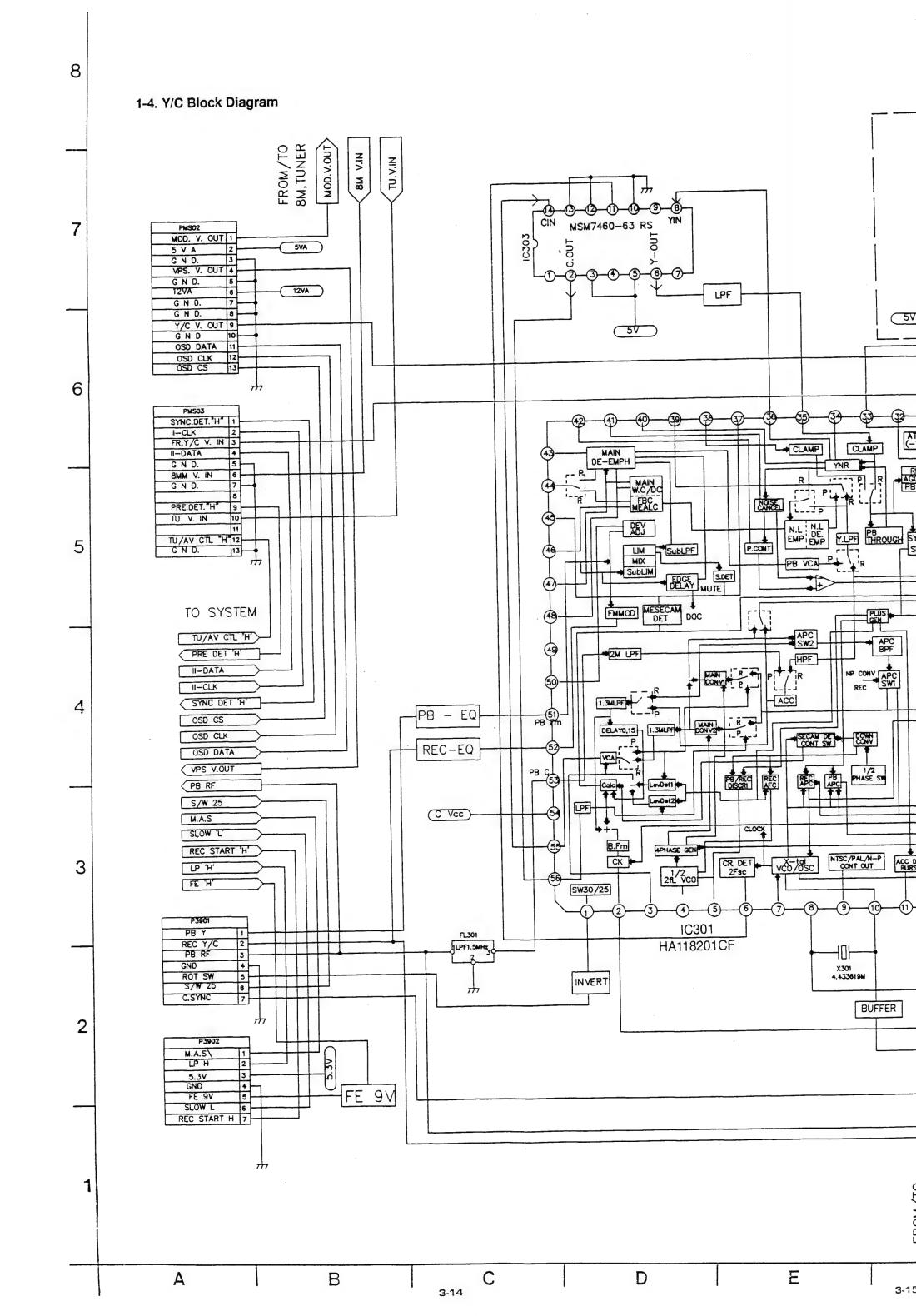
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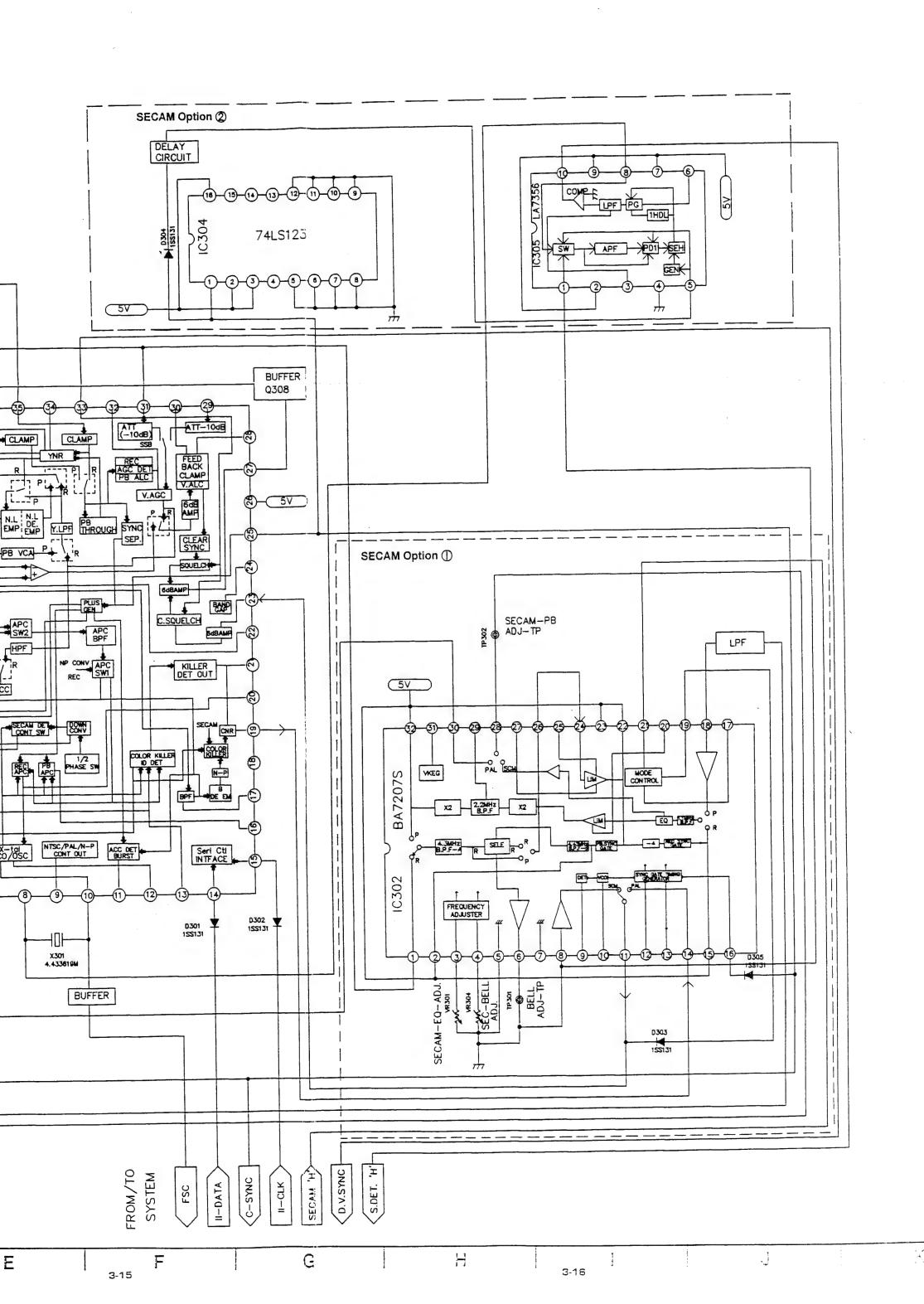




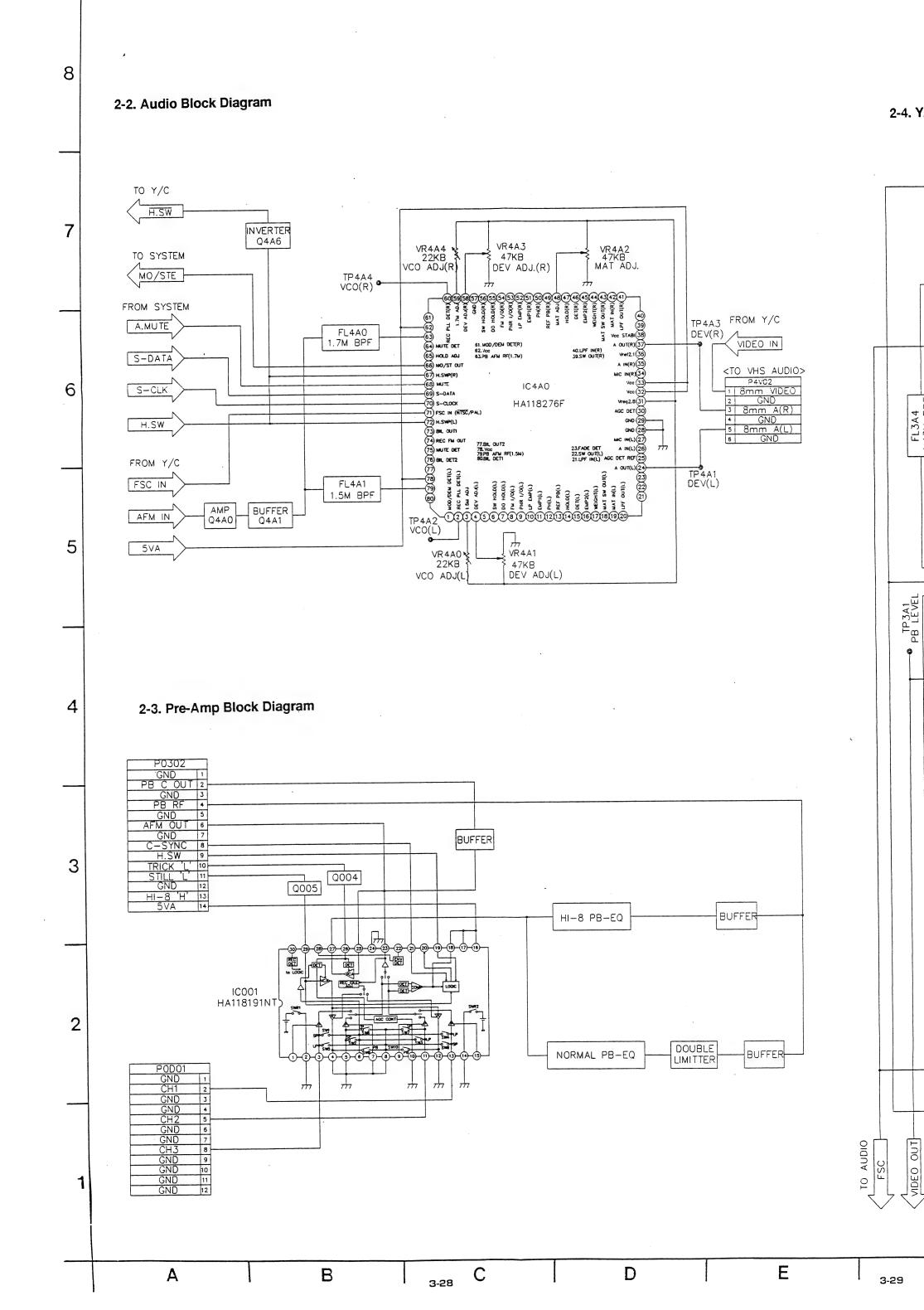


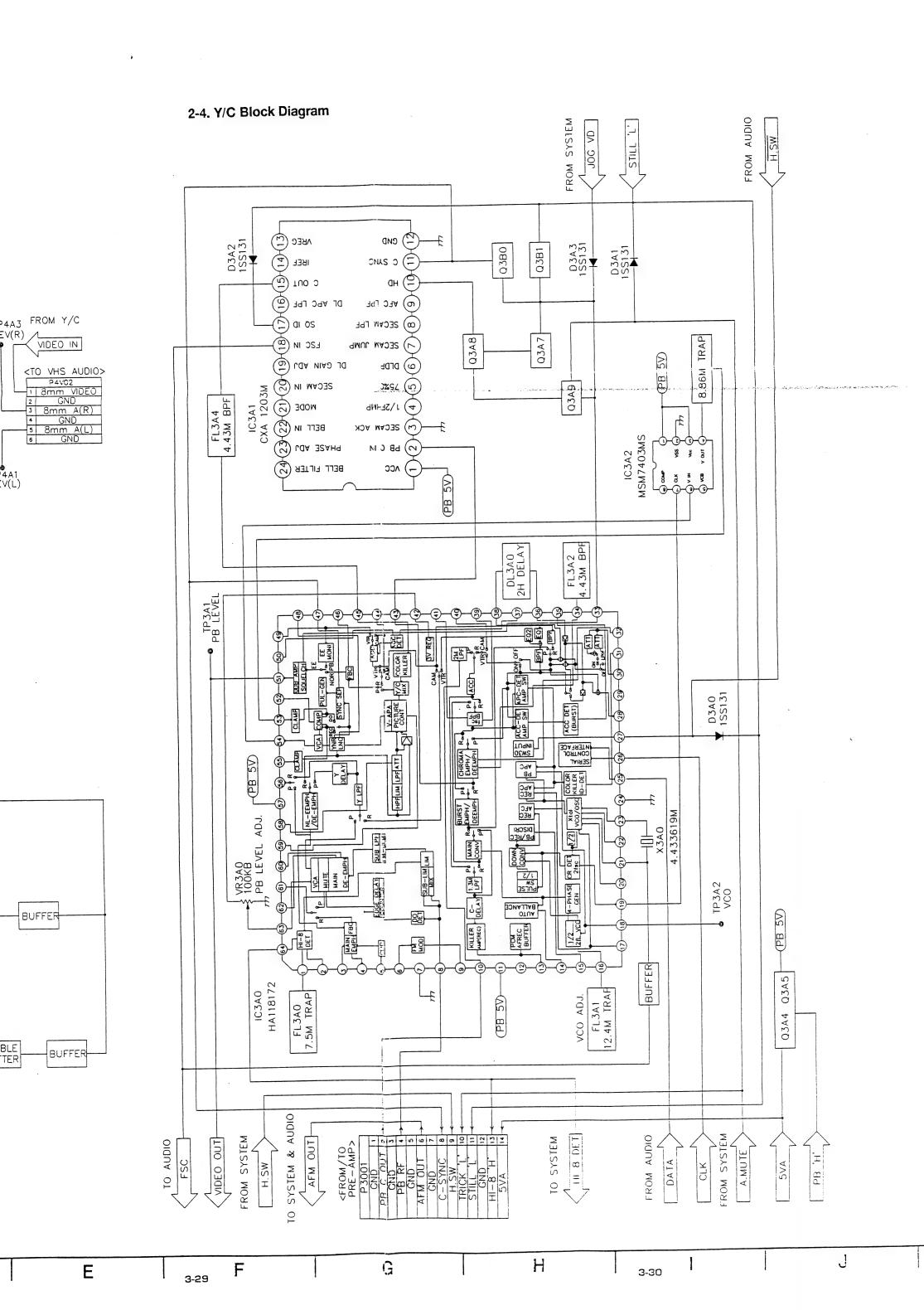
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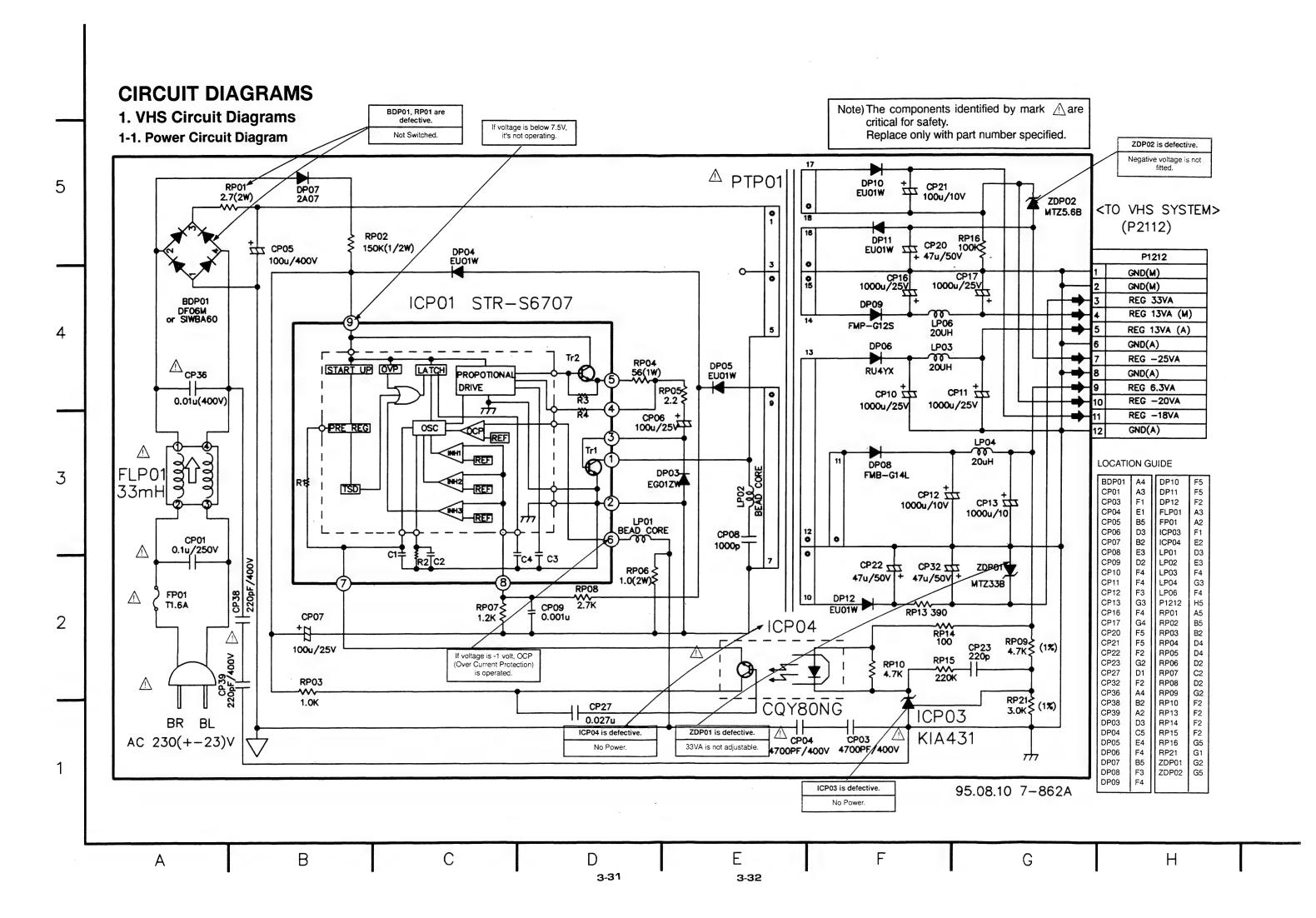




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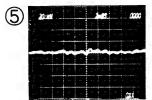




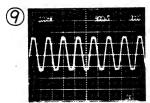
* VHS System Waveform



IC204 Pin ①
Tracking Trigger
(100mV/10msec)



IC204 Pin ②
Capstan Control
(20mV/2msec)



IC204 Pin ③
Capstan Frequency Generator
Input (100mV/500µsec)



IC204 Pin ® C-SYNC Input terminal (100mV/5msec)



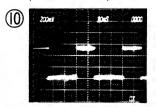
IC204 Pin
Control Count Down
Output terminal
(100mV/10msec)



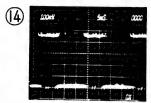
IC204 Pin ⑥
PG Mono-Multi
(100mV/2msec)



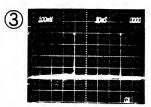
IC204 Pin [®]
Record Control (-)
(100mV/10msec)



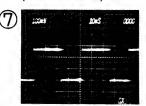
IC204 Pin 39 Control Clock (200mV/10msec)



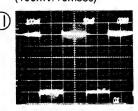
IC204 Pin
Servo Data Input terminal (100mV/5msec)



IC204 Pin ⑦
PG Input
(100mV/10msec)

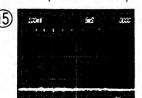


IC204 Pin ③
Record Control (+)
(100mV/10msec)



IC204 Pin

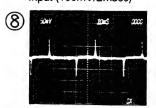
Video Head Switching
Pulse (100mV/10msec)



IC204 Pin
Servo Clock Input terminal (100mV/5msec)



IC204 Pin ① Drum Frequency Generator Input (100mV/2msec)



IC204 Pin ③
Playback Control Pulse (50mV/10msec)



IC204 Pin [®]
Vertical Pulse (VP)
(100mV/5msec)



IC204 Pin (5)
CFG (Capstan Frequency
Generator) Count Down
Output terminal
(100mV/500µsec)

• VHS System IC Voltage Sheet

IC201 (M38185EEFP)

PB (REC) [V]

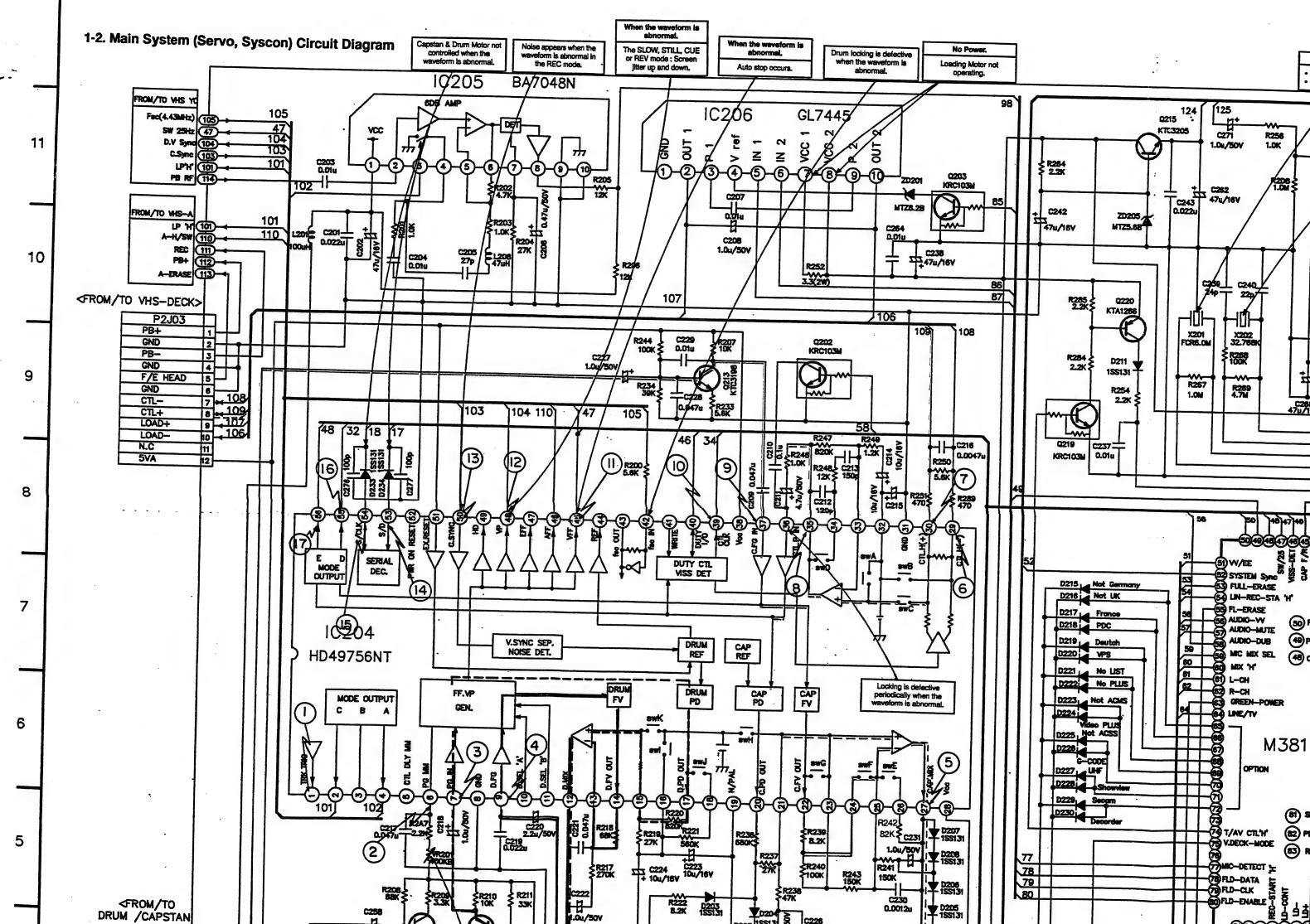
	V-				PB (HEC) [V				
Pin No.	Voltage [V]	Pin No.	Voltage [V]	Pin No.	Voltage [V]				
1	0.187 (0.20)	35	5.48 (5.46)	69	0.00 (0.00)				
2	0.307 (4.67)	36	2.43 (2.40)	70	0.00 (0.00)				
3	4.45 (4.53)	37	2.70 (2.71)	71	0.00 (0.00)				
4	5.18 (5.25)	38	2.48 (2.50)	72	0.00 (0.00)				
5	5.16 (5.23)	39	2.64 (2.66)	73	0.00 (0.00)				
6	4.60 (4.60)	40	5.36 (0.00)	74	5.45 (5.45)				
7	5.31 (5.30)	41	5.48 (5.46)	75	0.11 (0.11)				
8	5.31 (5.32)	42	5.47 (5.46)	76	3.49 (3.47)				
9	5.30 (5.32)	43	0.02 (5.46)	77	0.02 (0.00)				
10	5.26 (5.23)	44	0.00 (0.00)	78	0.01 (0.69)				
11	2.67 (2.61)	45	5.33 (0.00)	79	4.98 (5.13)				
12	0.00 (0.00)	46	2.66 (5.27)	80	4.25 (4.32)				
13	0.00 (0.00)	47	2.69 (2.70)	81	5.48 (5.45)				
14	0.00 (0.00)	48	2.28 (5.33)	82	5.47 (0.00)				
15	0.20 (0.20)	49	5.46 (5.43)	83	0.00 (5.36)				
16	0.40 (0.40)	50	0.01 (0.00)	84	0.58 (5.43)				
17	0.54 (0.55)	51	5.45 (0.00)	85	5.47 (5.43)				
18	0.25 (0.24)	52	0.01 (1.86)	86	5.41 (5.37)				
19	0.45 (0.20)	53	0.02 (5.43)	87	5.40 (5.38)				
20	0.08 (0.20)	54	0.01 (5.45)	88	0.00 (0.00)				
21	5.45 (5.46)	55	0.00 (0.00)	89	0.00 (0.00)				
22	5.44 (5.16)	56	5.46 (0.00)	90	0.00 (0.00)				
23	4.44 (0.00)	57	0.00 (5.46)	91	5.47 (3.53)				
24	5.35 (5.34)	58	0.00 (0.00)	92	0.00 (0.00)				
25	1.63 (1.20)	59	0.00 (0.00)	93	0.00 (0.00)				
26	5.44 (5.43)	60	0.00 (0.00)	94	5.38 (5.37)				
27	0.05 (0.26)	61	0.00 (5.44)	95	1.16 (0.42)				
28	0.40 (0.30)	62	0.00 (5.44)	96	0.00 (0.00)				
29	5.17 (0.00)	63	5.47 (5.45)	97	0.00 (0.10)				
30	5.30 (5.30)	64	1.00 (1.00)	98	2.65 (0.22)				
31	5.31 (5.30)	65	0.00 (0.00)	99	0.00 (0.00)				
32	2.68 (2.68)	66	0.00 (0.00)	100	0.00 (0.00)				
33	1.32 (0.55)	67	0.00 (0.00)		(0,00)				
34	2.28 (3.86)	68	0.00 (0.00)						

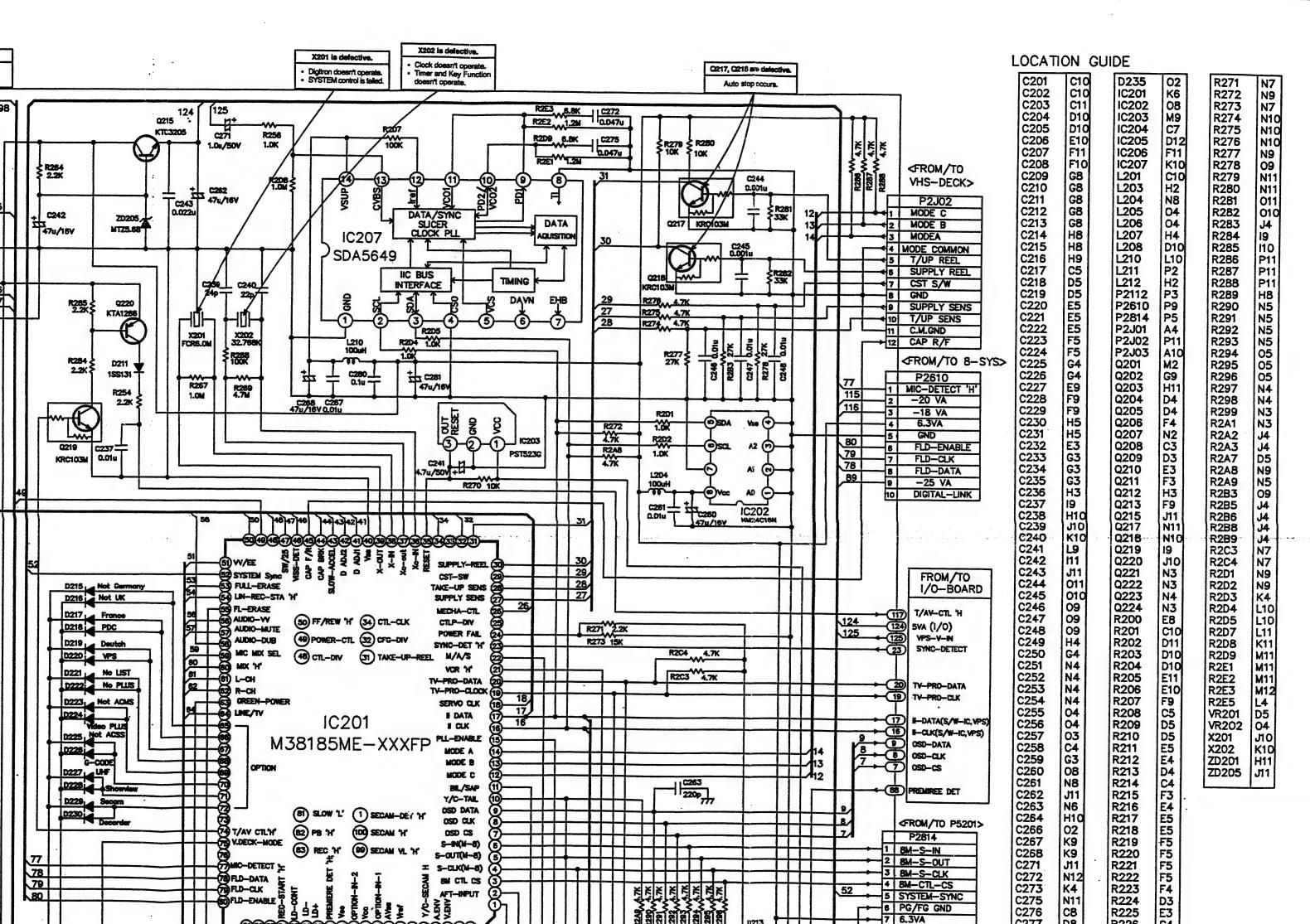
• VHS System TR Voltage Sheet

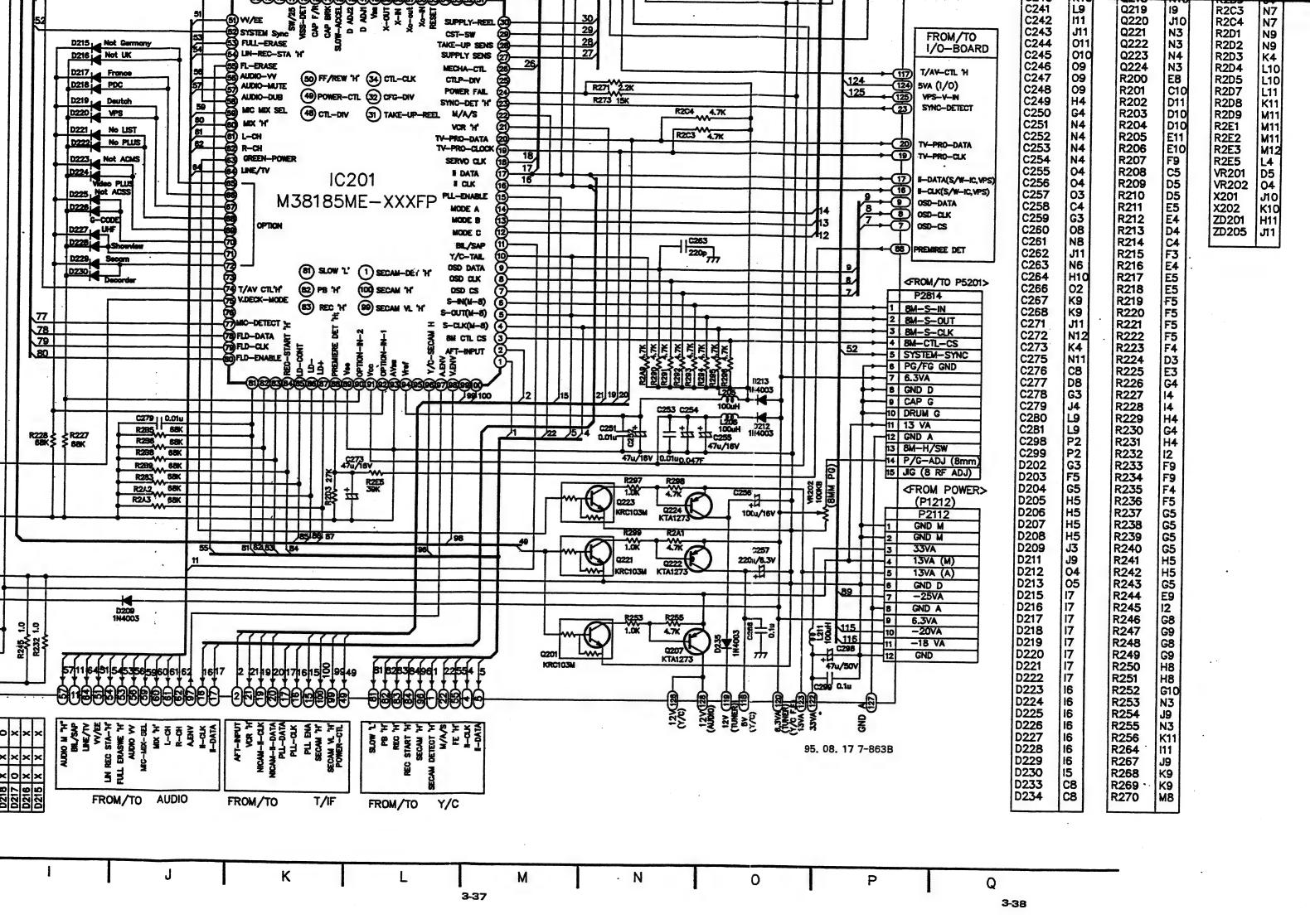
(PB/REC mode)

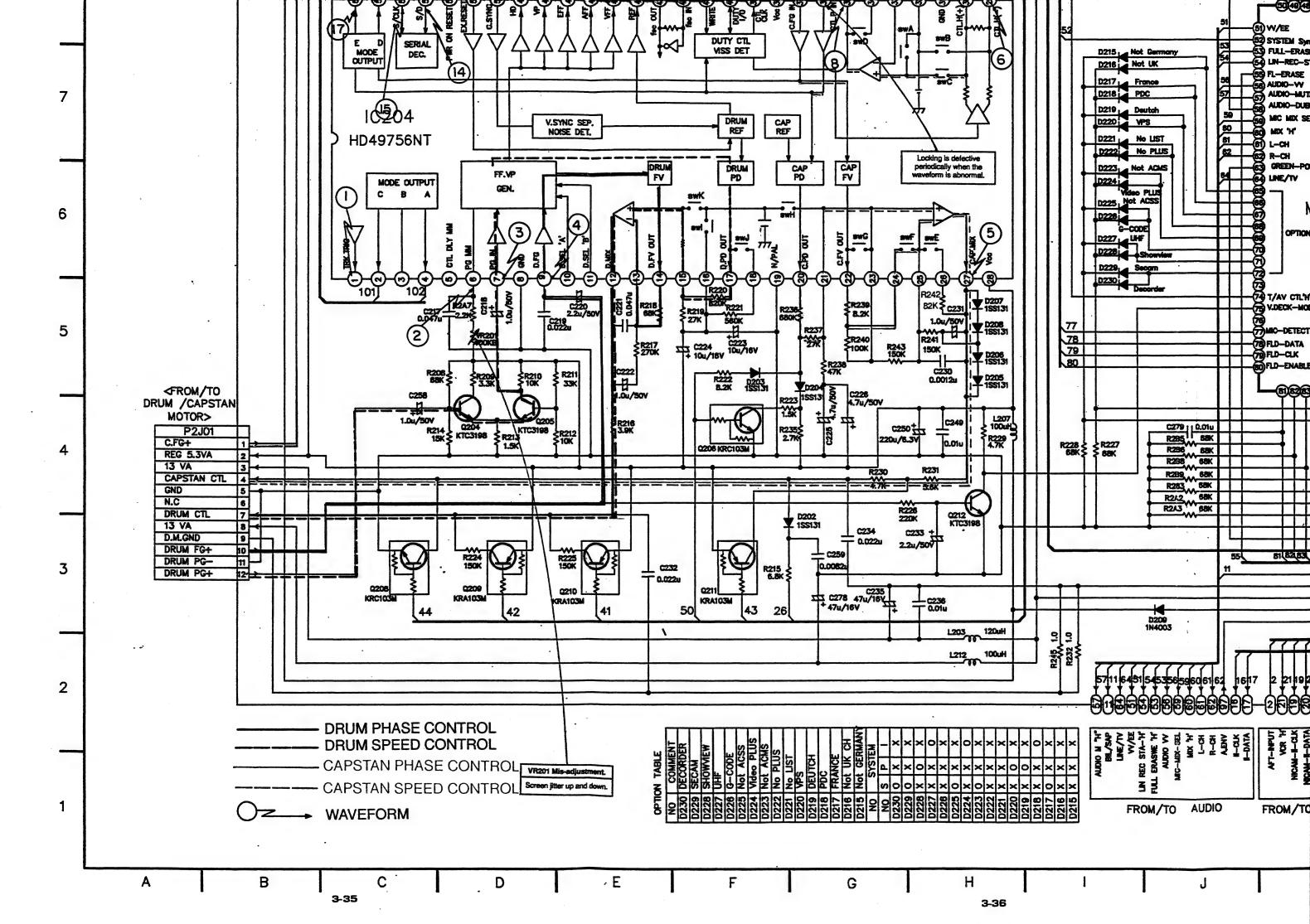
Port TR No.	Emitter	Collector	Base
Q202	0.00/0.00	1.33/0.00	0.00/0.00
Q203	0.00/0.00	0.00/0.00	5.40/5.34
Q204	0.64/0.64	5.28/5.23	0.98/0.96
Q205	0.65/0.65	1.32/1.33	0.00/1.23
Q206	0.00/0.00	5.29/5.28	0.00/0.00
Q208	0.00/0.00	2.71/2.69	0.00/0.00
Q209	5.32/5.28	1.13/1.15	5.41/5.37
Q210	5.29/5.28	1.15/1.15	5.41/5.37
Q211	5.12/5.10	2.72/2.70	5.40/5.37
Q212	0.00/0.00	0.12/0.12	0.64/0.64
Q213	0.92/0.95	3.60/3.59	1.47/1.46
Q217	0.00/0.00	5.19/5.20	4.83/4.80
Q218	0.00/0.00	0.00/4.77	4.80/4.77
Q221	0.00/0.00	0.00/0.00	5.40/5.40
Q222	6.13/6.12	5.92/5.90	0.00/5.34
Q223	0.00/0.00	0.10/0.10	5.39/5.37
Q224	13.34/13.33	13.25/13.23	8.51/0.00
Q225	0.92/0.95	3.60/3.59	1.47/1.46

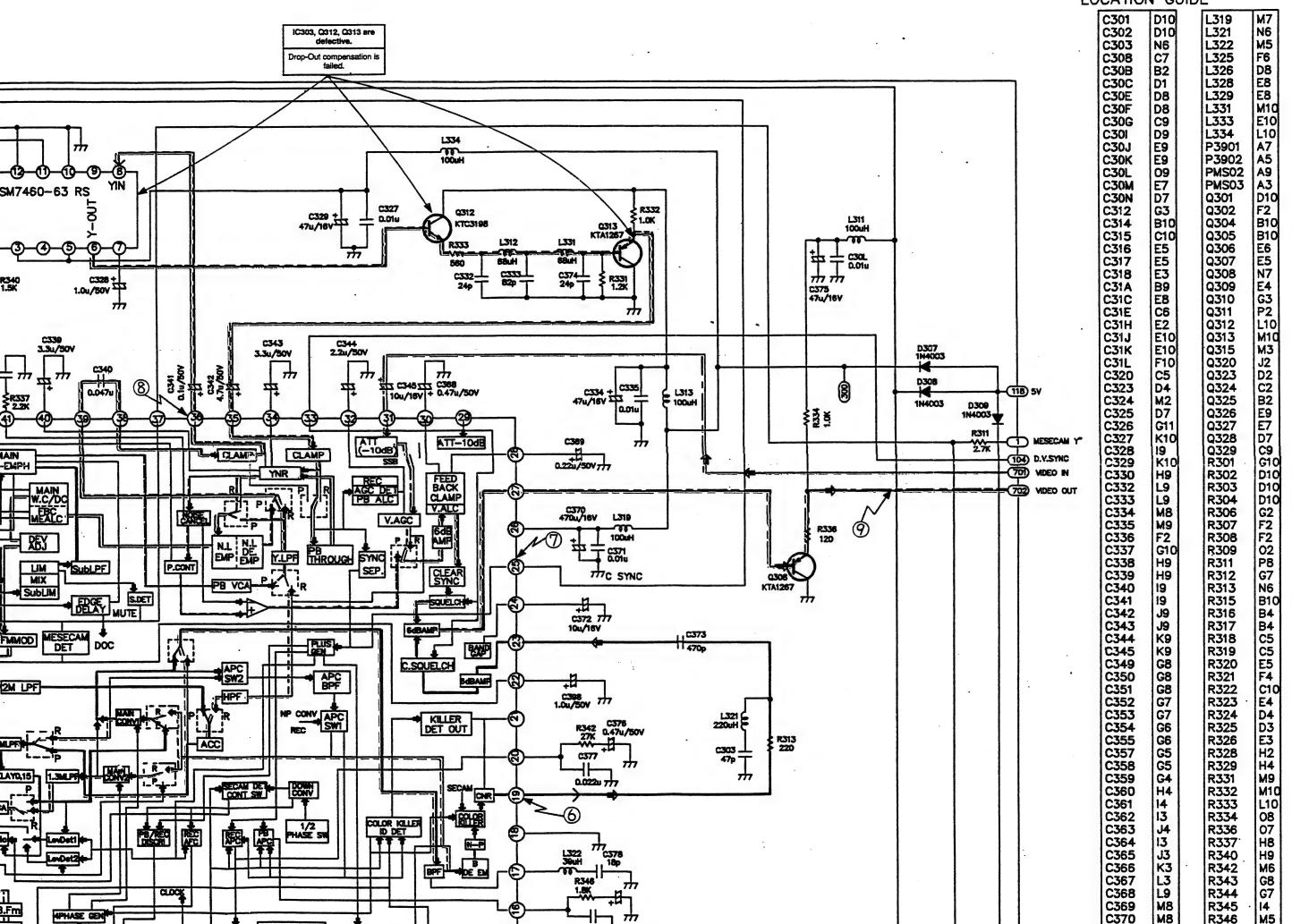
																										B (R	EC
2	2.5	0.7	1.1	3.8	5	0.2	0	0						2.6		5	2	5		2.5		2.5		2.5	0	2.5	<u> </u>
		(0.7)	(1.1)	(3.8)	(5)	(0.9)	(0)	(0)	(2.5)	(0)	(2.5)	(2.6)	(2.6)	(2.6)	(0)	(5)	(3.6)	(5)	(2.4)	(2.5)	(2.5)	(2.5)	(2.5)	(2.5)	(0)	(2.7)	(2.1)
	55					50					45					40					35					30	
)										10	C2	04	(H	D4	97	56	NT)									
1				5					10				•	15				•	20					25			
3.6	0	0	5	0	0.2		0			2.7							2.4		2.5			2.5		2.5	2.7	2.7	5
(3.6)	(0)	(0)	(5)	(0)	(0.2)	(2.1)	(0)	(2.7)	(2.7)	(2.7)	(1.4)	(2.5)	(2.5)	(2.5)	(2.5)	(2.5)	(2.4)	(0)	(2.5)	12 5)	(2.5)	12 51	12 51	(2.5)	12 61	12 71	(E)

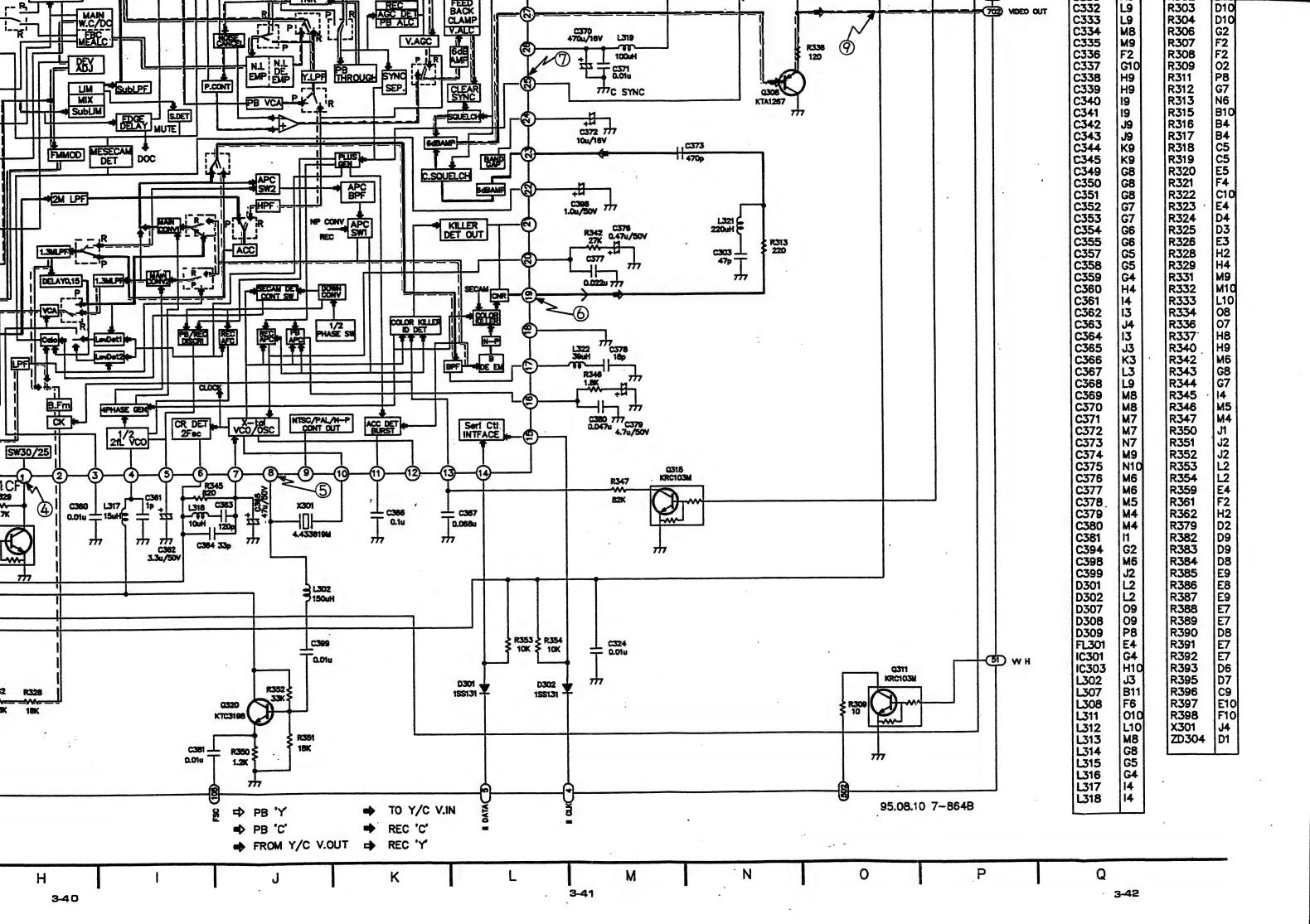


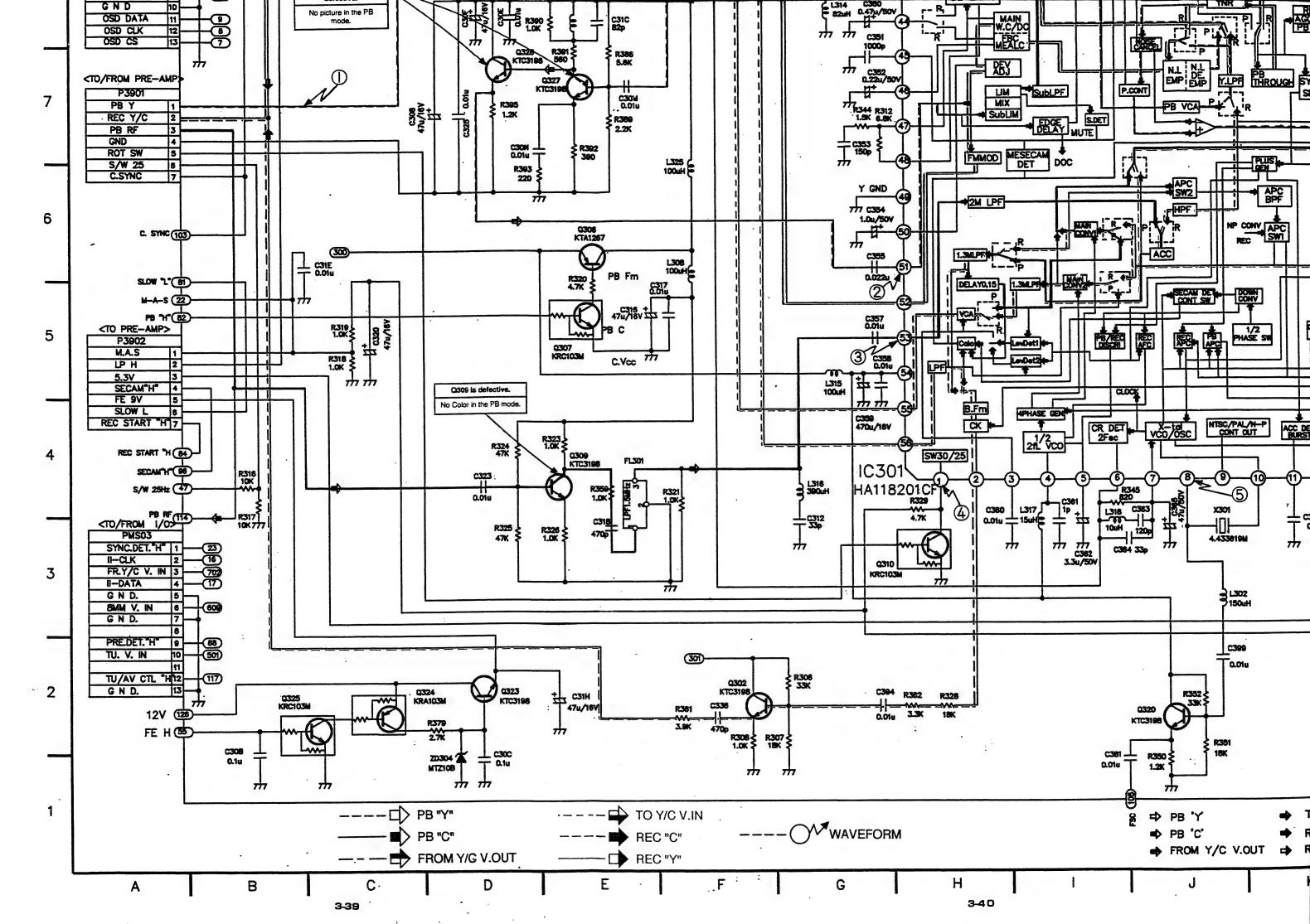












VHS Y/C Waveform

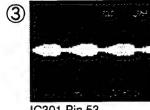


P3901 Pin 1 (10mV/20µsec)

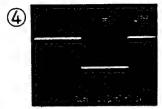


IC301 Pin 51 (50mV/5msec)

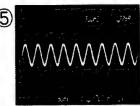




IC301 Pin 53 (5mV/20µsec)



IC301 Pin 1 (200mV/5msec)



IC301 Pin 8 (50mV/200nsec)



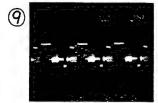
IC301 Pin 19 (20mV/20µsec)



IC301 Pin 25 (100mV/20µsec)



IC301 Pin 36 (20mV/20µsec)



Video Out Terminal (100mV/20µsec)

• VHS Y/C TR Voltage Sheet

(PB/REC mode)

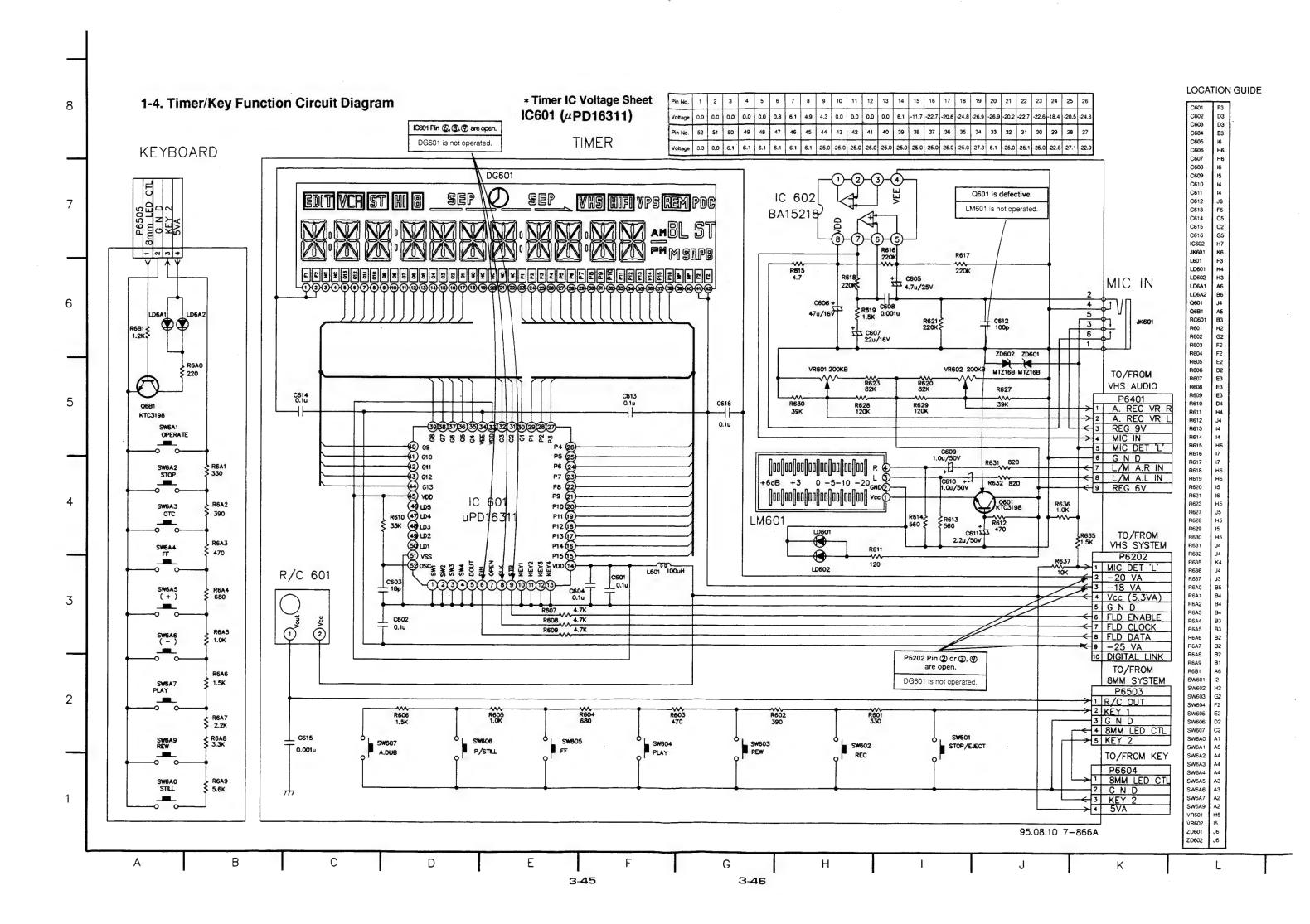
Port TR No.	Emitter	Collector	Base
Q301	0/1.09	0/4.9	0/1.66
Q308	2.97/2.21	0/0	0.02/0.1
Q312	0.04/3.4	4.89/0.04	3.66/0.05
Q313	1.51/1.7	0/0	2.14/2.28
Q326	3.15/0	1.76/0	2.49/0
Q327	1.34/0	2.57/0	0.74/0
Q328	1.97/0	4.9/0	2.58/0

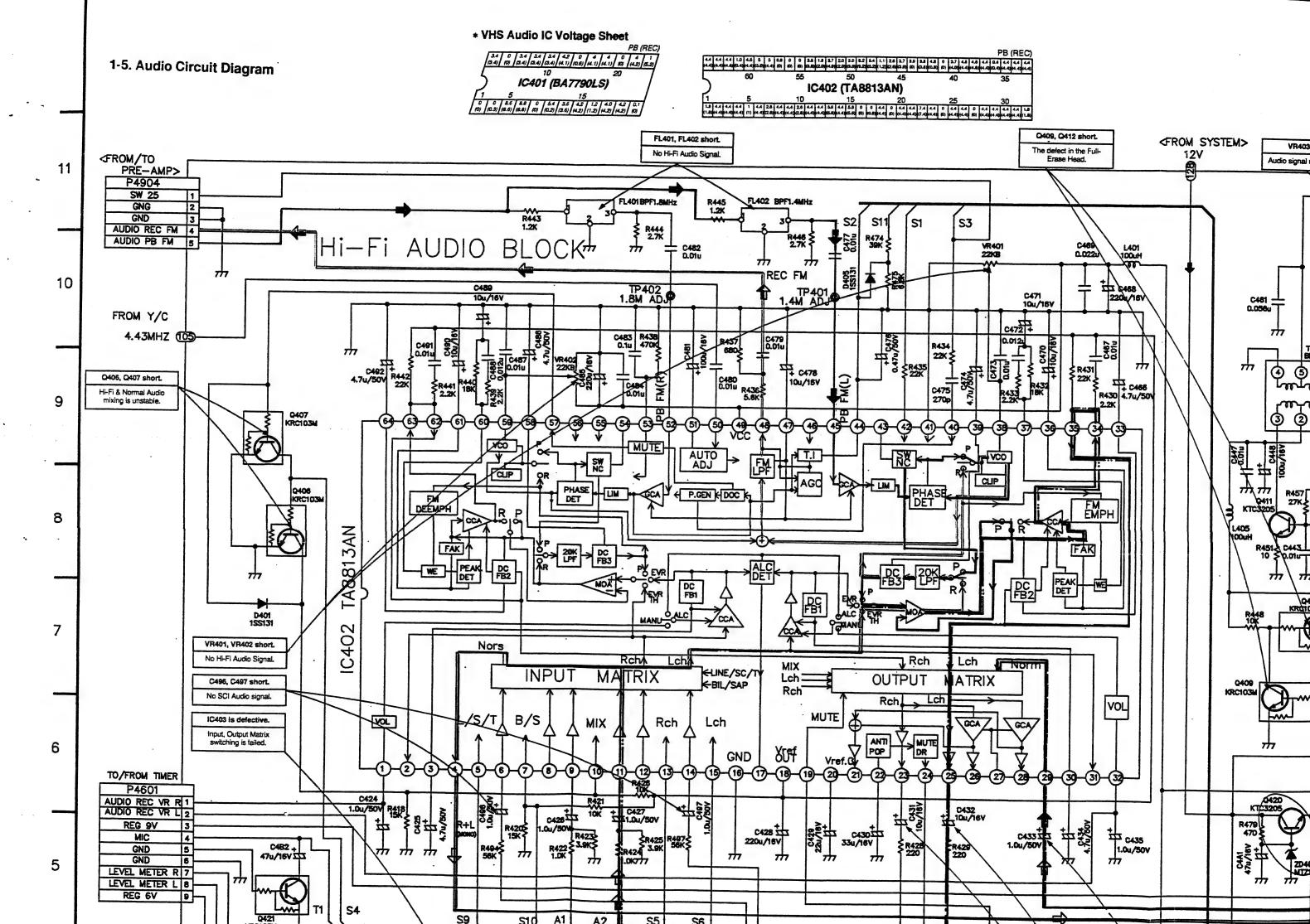
* VHS Y/C IC Voltage Sheet

PB (REC)

	0.32 (0.05)	0.27 (0.05)	1.62 (0.06)	0.28 (2.27)	0.1 (2.88)		2.43 (2.21)	3.08	1.42 (1.46)	0.06	1.70 (2.23)	3.01 (3.02)	2.8 (3.06)	3.03 (3.05)	
0 (1.9)			40					35					30		2.79 (2.28)
2.72 (2.77)															2.38 (1.62)
0.08	45														4.7 (4.67)
1.88 (1.93)														25	0.39 (0.39)
1.43 (2.04)										•					0.02 (2.84)
1.44 (0.04)															1.94 (1.95)
0.01					IC3	01 ((HA	118	201	CF)					4.62 (4.6)
0.01	50														0.13 (4.54)
2.79 (0.87)														20	0.25 (2.7)
4.23															2.14 (2.13)
0.08															0 (0.07)
0.08															2.86 (0.08)
4.82	55														2.80 (0.09)
4.06	1				5					10				15	4.73 (4.75)
1	2.44 (0.07)	0 (2.12)	3.57 (3.48)	4.86 (4.81)	2.79 (2.96)	2.82 (2.8)	2.83 (2.8)	2.17 (2.16)	0.09 (0.08)	3.20 (3.2)		2.216 (2.16)		4.73 (4.6)	

					PB.	(REC
0.03	0	0	2.5	0		
(1.42)	0 (0)	(0)	2.5 (2.48)	(0)	0.05 (0.05)	(1.69
				10		
	IC3	03 (MS	M74	160)	
7		, ,		_	,	
1_				5		
0.05	4.12	4.91	0.05	4.87	3.67	1.96
(0.07)	(4)	4.91 (4.85)	(0.06)	(4.83)	(3.99)	(1.83)





LOCATION GUIDE

PB (REC)

7

C452 1.0u/50V

R467

R485 56K

0453 10u/16V

R464 680

C448 D.D1ss

ğ

R455 ≥

777

R+L

C453 open.

No Audio signal in the EE/PB/REC mode.

⟨Fr,To P2J03>

C452 short.

No Normal Audio signal.

Q410, Q413 short.

The defect in the Audio

Emitter Collector

<FROM/TO

(56) AUDIO VV

(57) MUTE "H"

(51) W/EE

(14) (11(th)

SYSTEM>

54 LIN REC STA'H'

53) FULL ERASE 'H'

113A-ERASE(pin 5)

P4D03 PIN2

F/E

GND

IIDREC(pin 3)

112) PB+(pin 1)

IC404 (LA7222)

R468 6.8K

C455 10u/16V

IC403 (TEA6420)

C480 R473

390p

30F

 \triangleleft

m

R449 10K

 \bigcirc

777

NORMAL AUDIO BLOCK

125 S

44

100uH

0.010

D402 1SS131

D403 1SS131

דלד 777

C441 0.10

מלד

C457 0.0082u

R468≨ 1.0M

₹R487 2.2K

 ∇

3)—(3)—(2 2 % | 2 %

R458 10K

R454 \$ 100K \$

מלו

R + L

ולו ולו

R460 ≱ 27K Ş

₹8453 ₹47K

R469 5.6K C456 6.8K 0.1u

FROM SYSTEM>

12V

VR403 open.

Audio signal not recorded

C481

0.056u

דלד

4

③

777

0411 KTC3205

L405 (00uH

Q409

Fm-

0420 KTC3205

KRC103M

(3)

2

27K

T401 BIAS-OSC

(6)

R459

Q414 KTC3205

R452 **≥**

777

9V **1**

10

47

R447 €

C440 47u/18y

\$ 1402 1000H

C463 220p

VR403 100KB

BIAS-OSC

0.01u L403

Q413 KRC103M

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C4A1 0.1u

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C4A8 0.1u

IC401

C462 0.033u

7/7

(4)

③

معه

⑤

2

R417 27K ≶

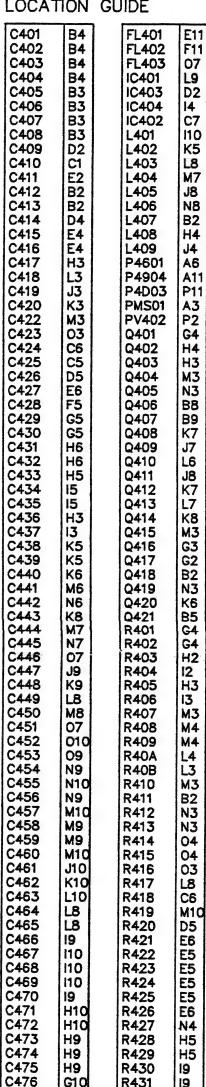
C449

0.01u

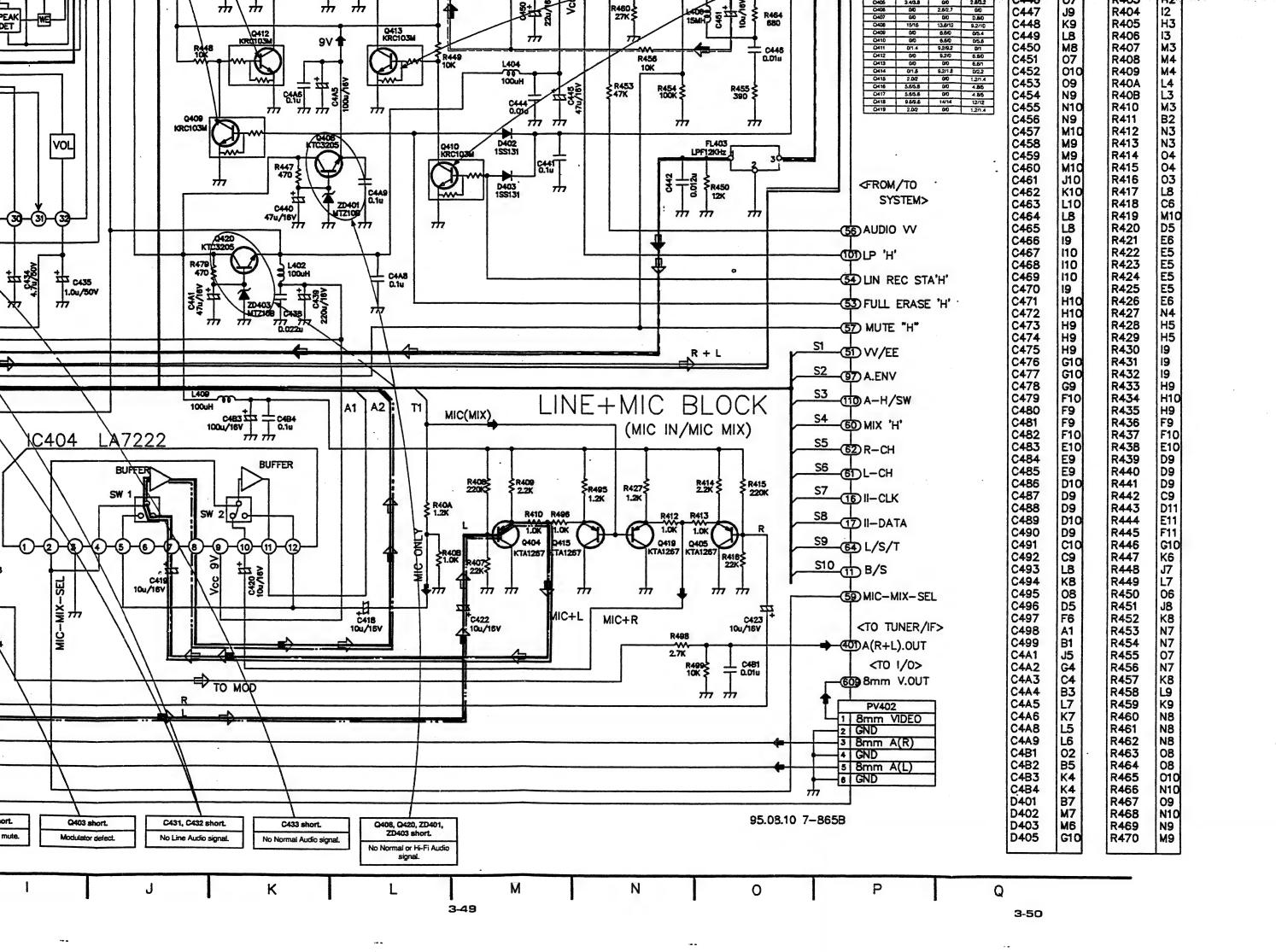
➅

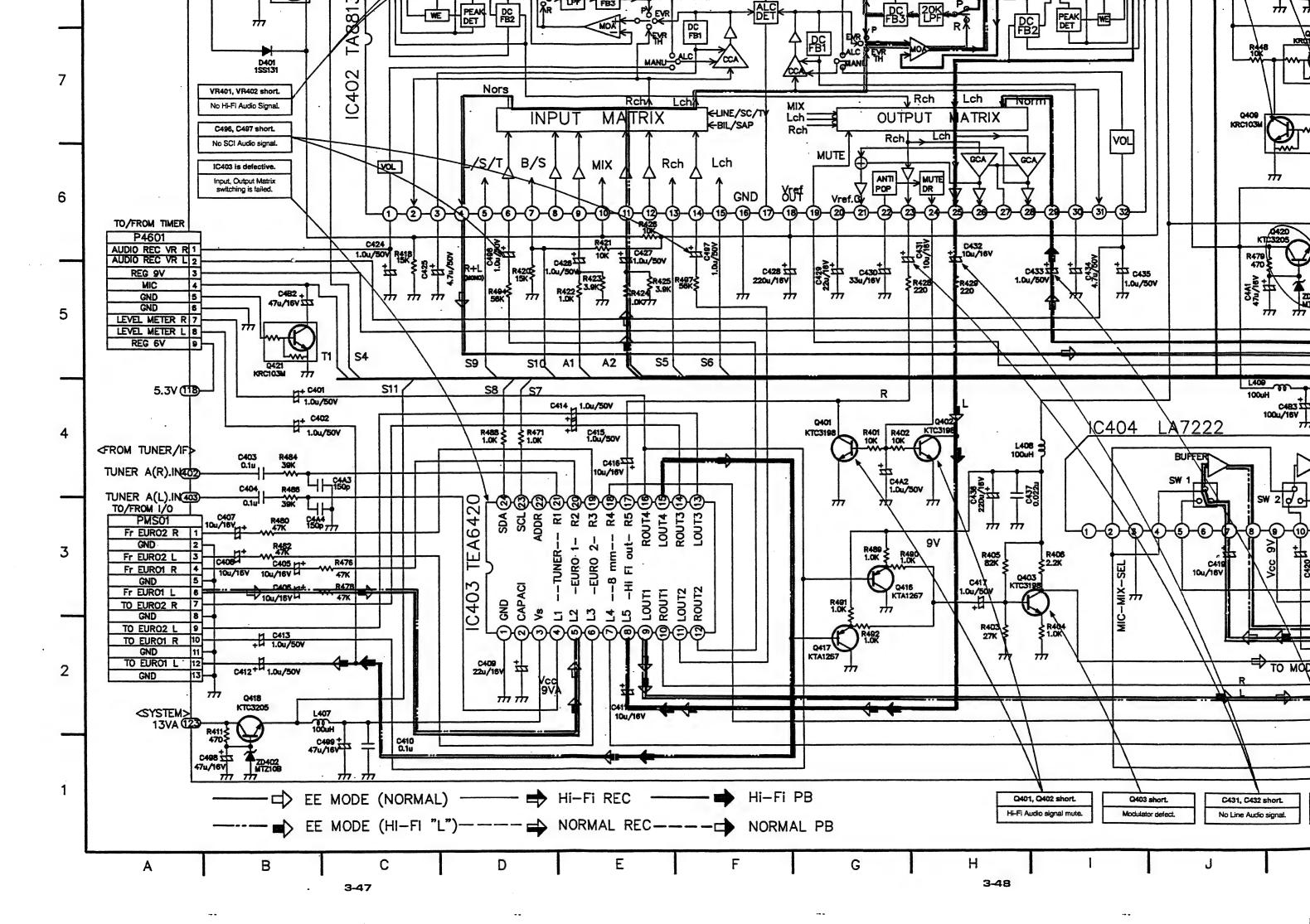
1

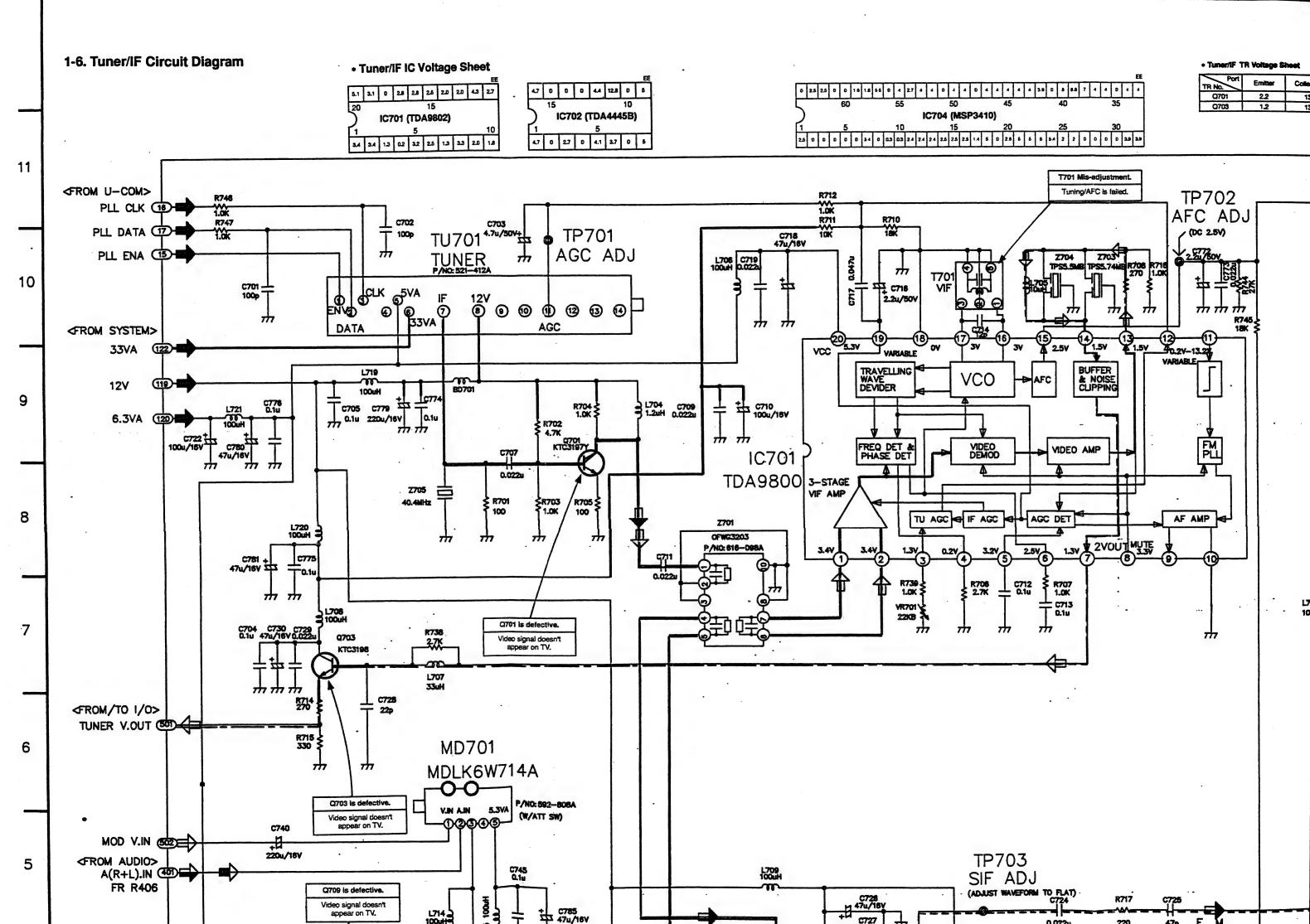
R458 47 ≥

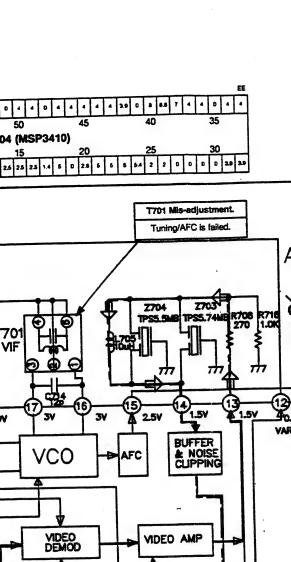


R471 R472 R473 R474 R475 R476 R478 R479 R480 R482 R484 R485 R486 R487 R488 R489 R490 R491 R492 R494 R495 R496 R497 R498 R499 T401 TP402 VR403 ZD403	D4 M10 G10 G3 J53 B8 B9 B9 D4 G3 G3 G3 S3 S4 B9 B9 D4 G3 G3 S3 S4 D4 B9 D4 G3 S4 S5 S6 D4 D4 D5 D6 D6 D6 D7 D7 D7 D7 D7 D7 D7 D7 D7 D7 D7 D7 D7

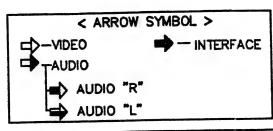








• Tuner/IF T	R Voltage S	heet	EE mode
TR No.	Emitter	Collector	Base
Q701	2.2	13	3
0703	1.2	13	1.8



LOCATION GUIDE

BD701 C701 C702 C703 C704 C705 C707 C709 C710 C711 C712 C713 C714 C716 C717 C718 C719 C720 C721

C781 C782 C784 C785

D703

FL701

FL702

IC701

N10

G8

C6 C6 J10

J5 C4 C4 O10 N9

M10 011 N10 M11 D3 D7

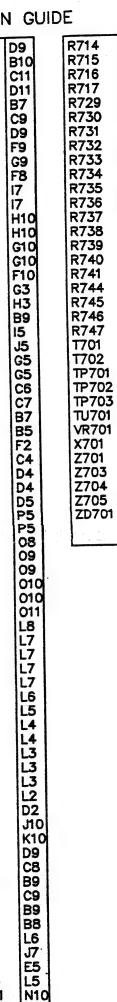
H7

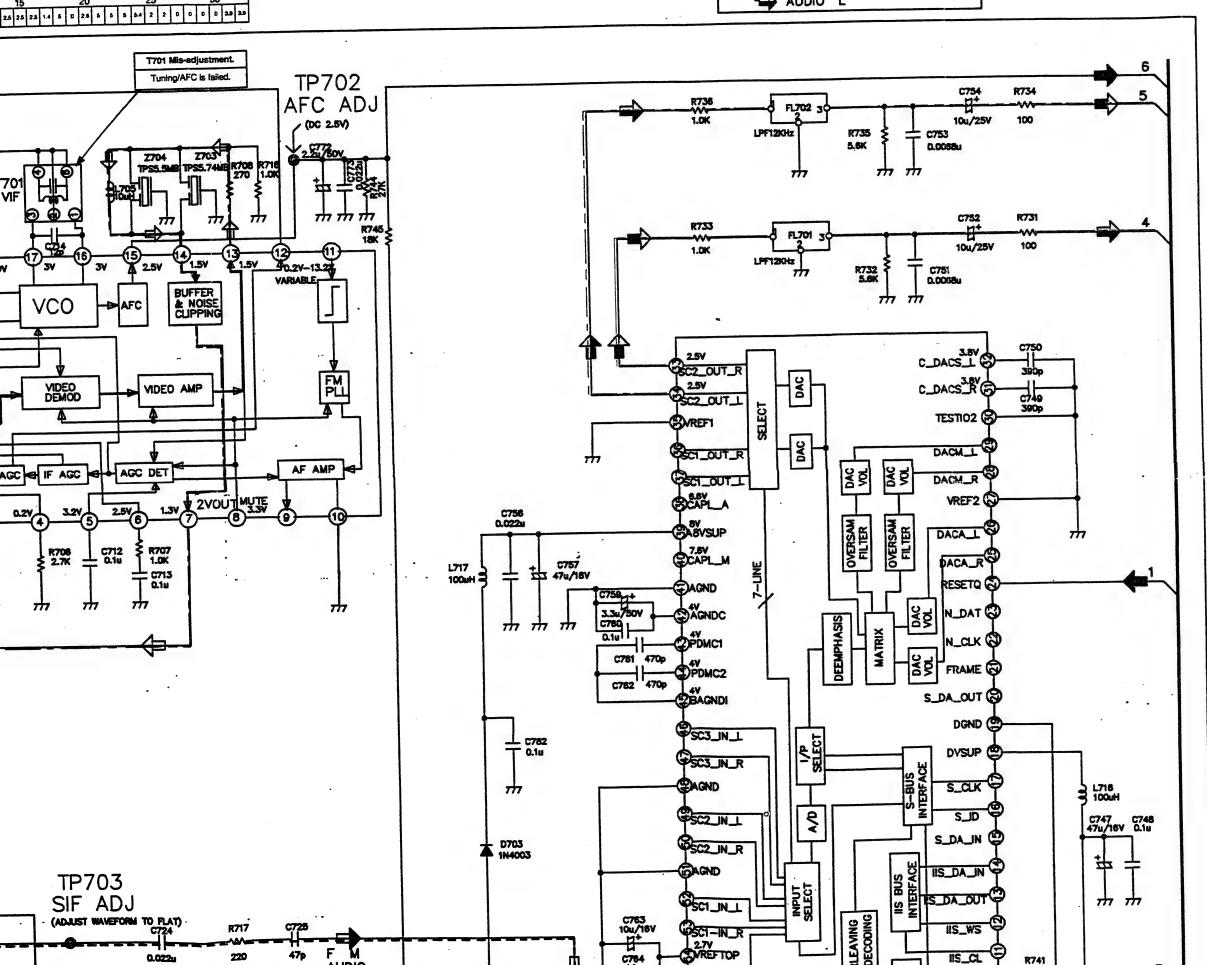
04 04 K10 K10 B11 B11

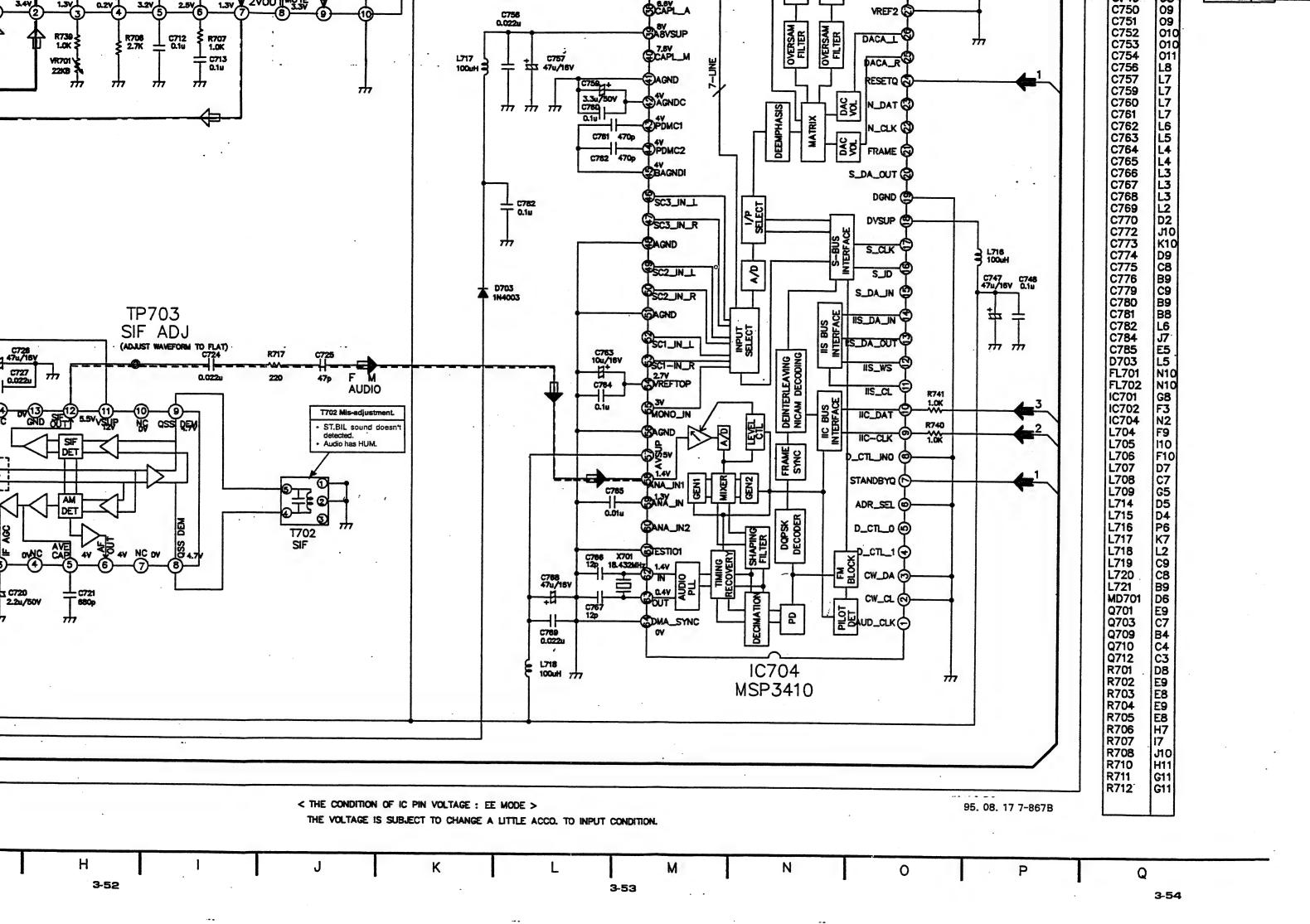
H10 J3 E10 J11

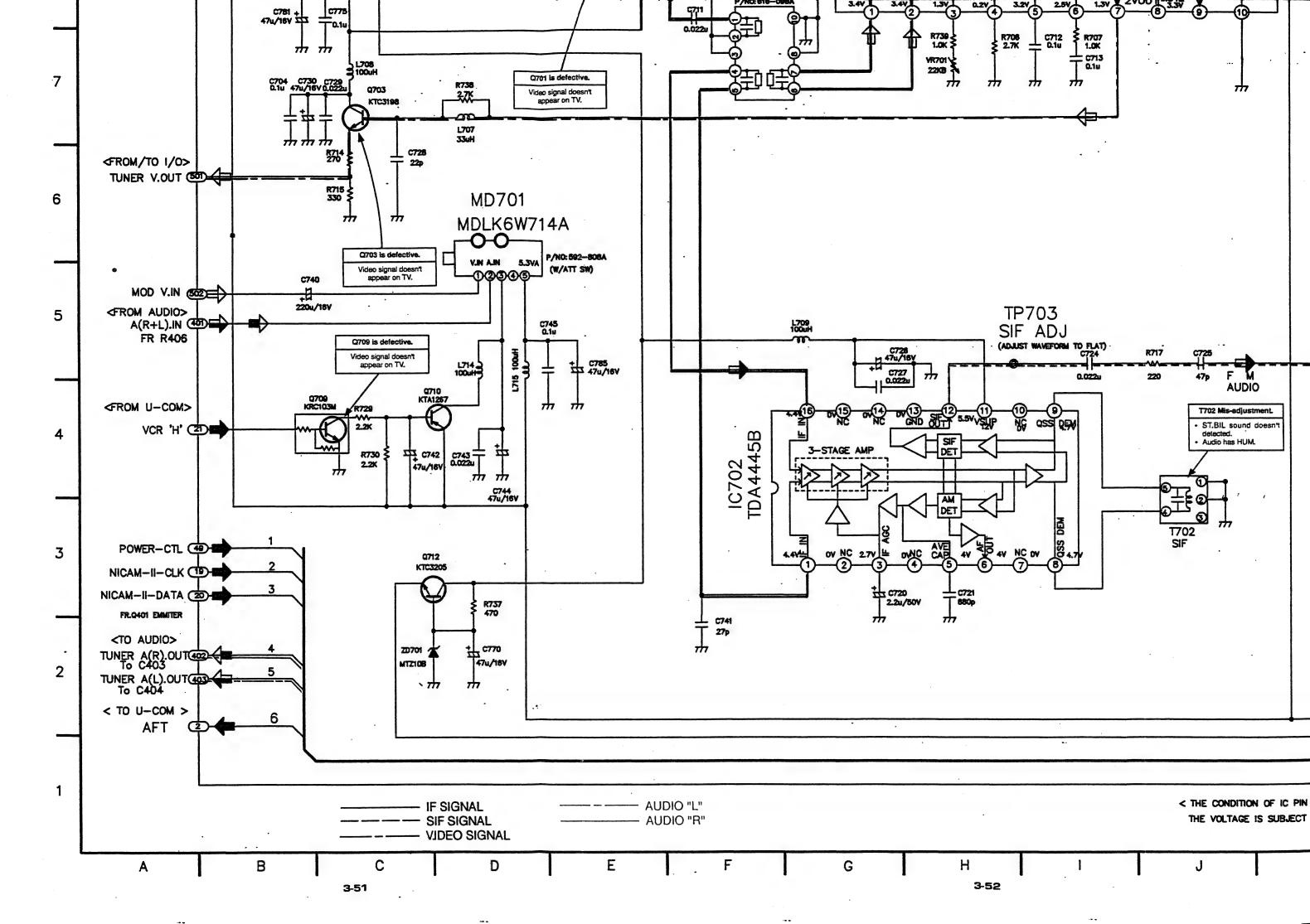
H5 D10 H7 M3 F8 I10

110 D8 C2

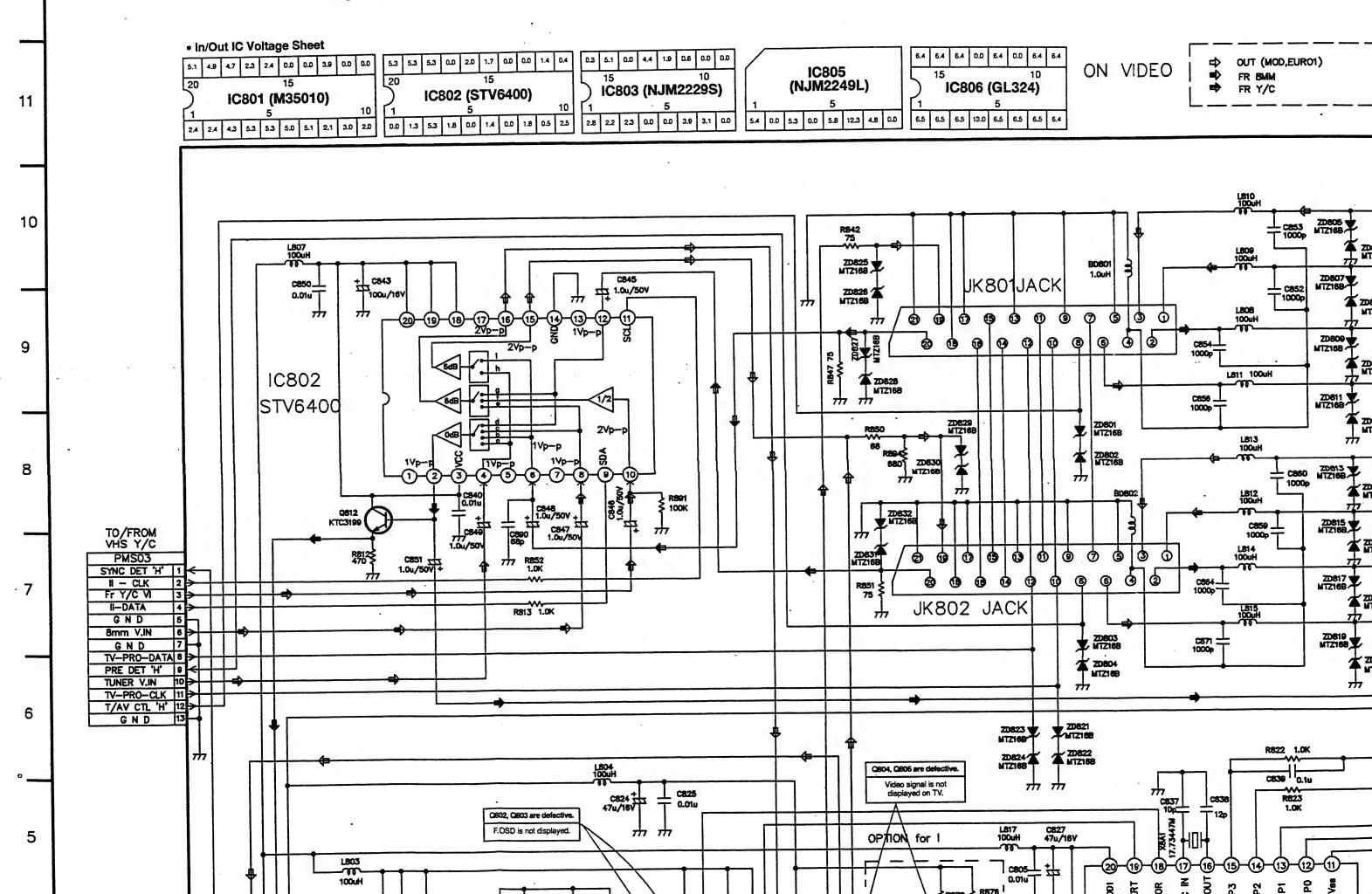


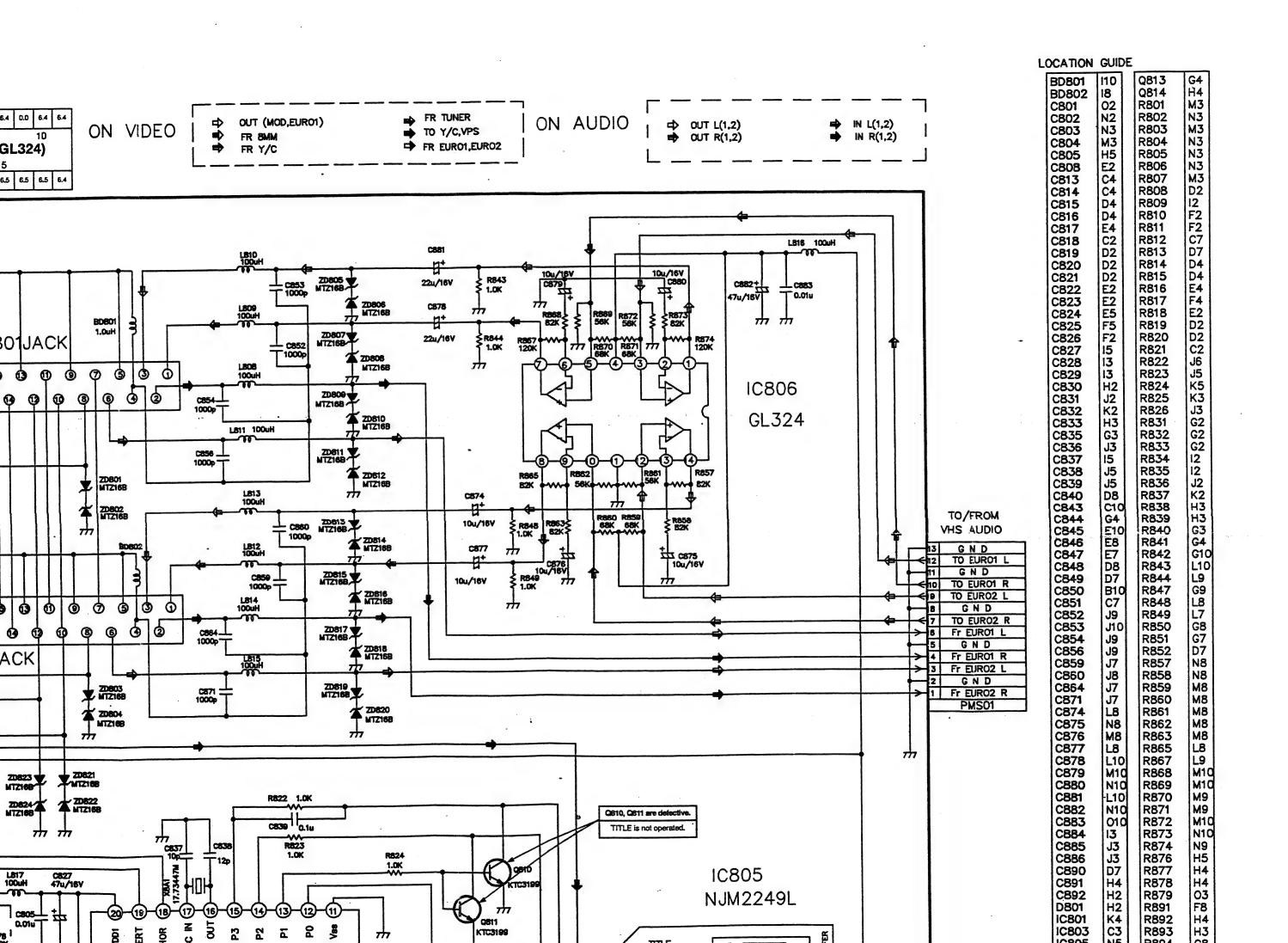


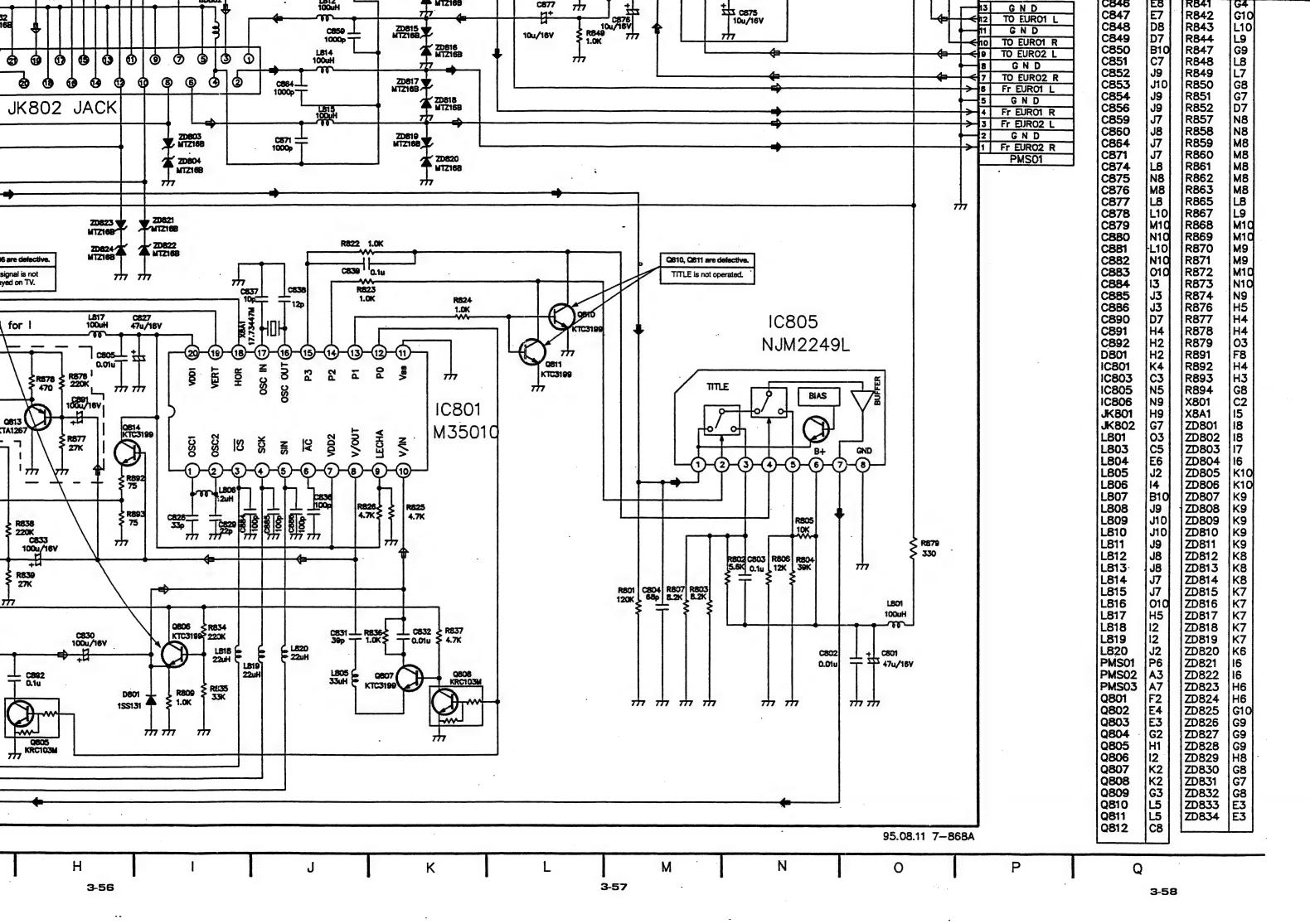


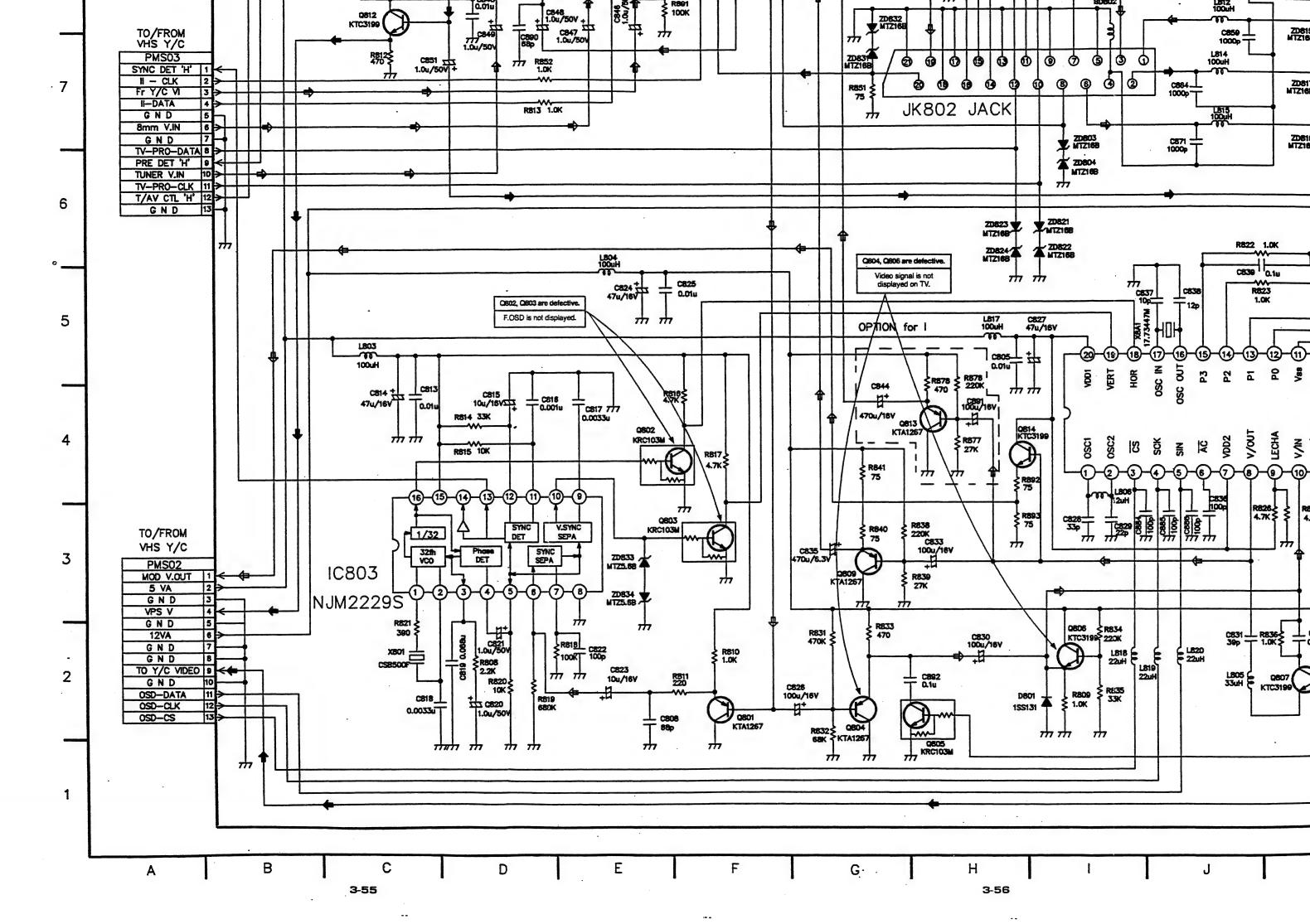


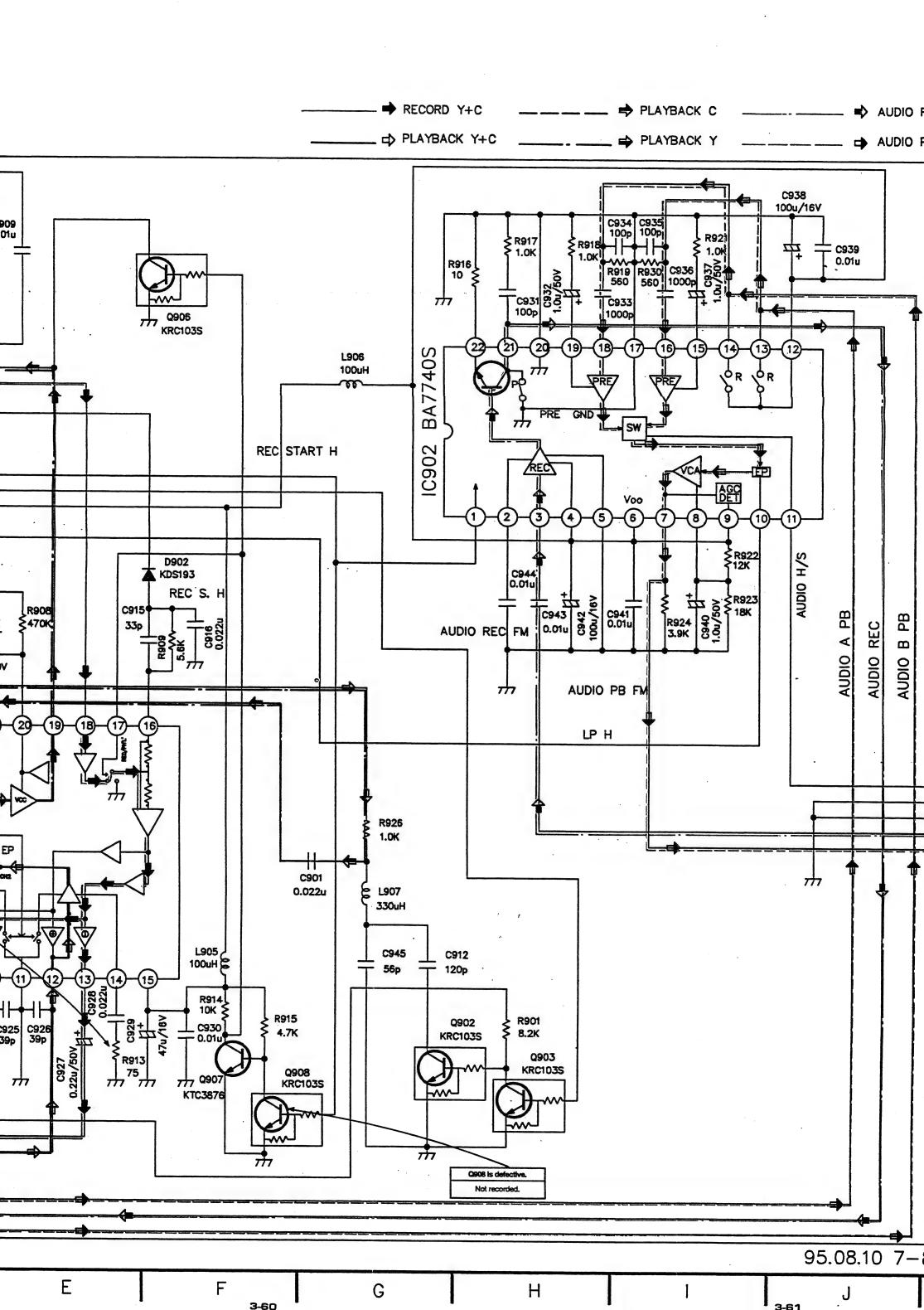
1-7. Scart In/Out & Function OSD Circuit Diagram

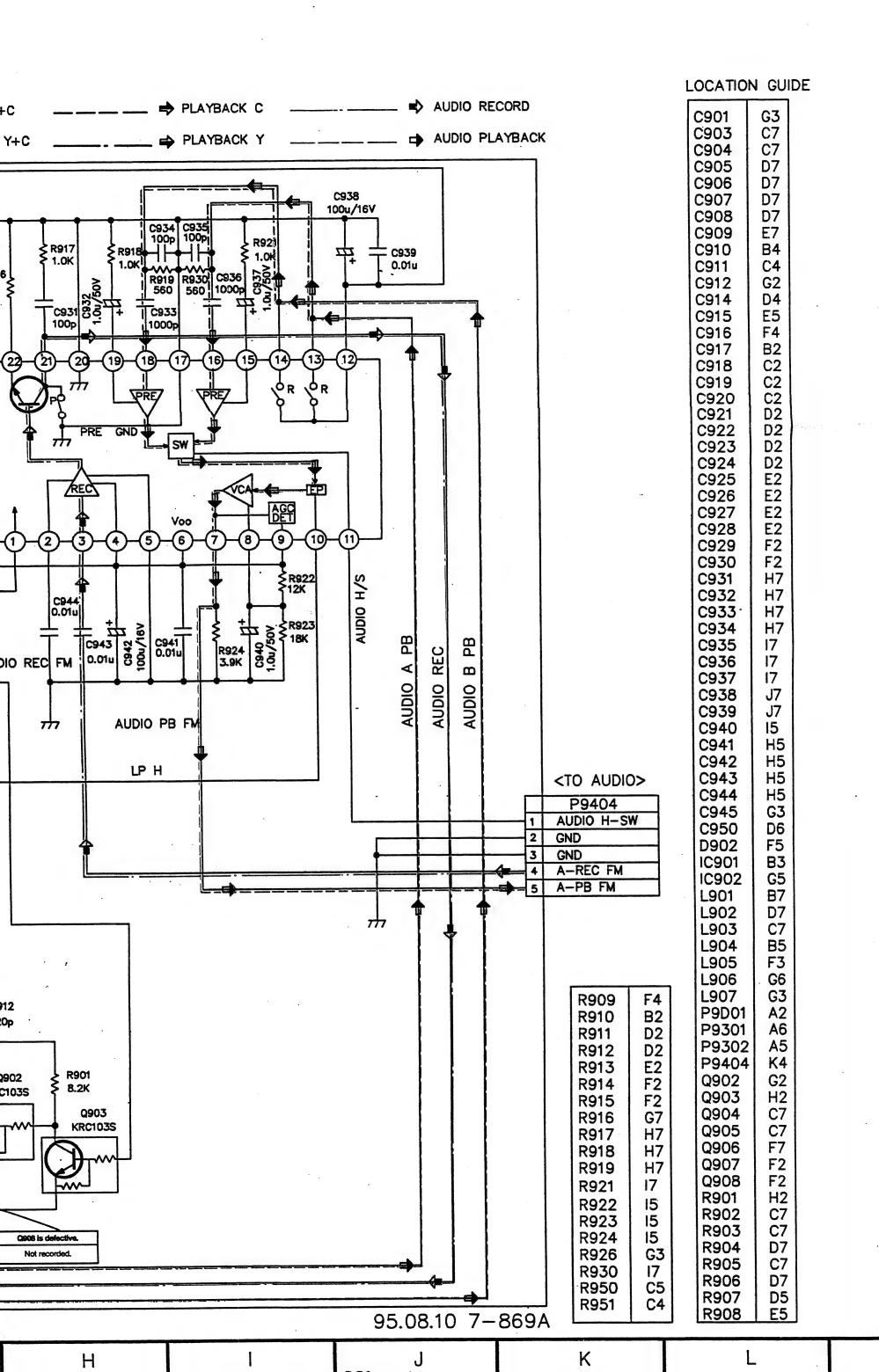












M

* VHS Pre-Amp IC Voltage Sheet

SP mo	SP mode PB (REC)													
5.0	2.0	4.7	0.3	1.3	2.2	0.1	0	0	2.8	2.3	2.5	4.1	0	2.7
(5.0)	(3.8)	(4.8)	(0.3)	(1.3)	(2.2)	(0.1)	(4.4)	(0)	(3.1)	(0.1)	(0)	(4.1)	(2.2)	(2.7)
30					25					20				
)	IC901 (HA118019)													
1	1 5 10 15													15
2.3	0	0.7	0	0.7	0	2.3	4.2	0	0	0	0	0	4.2	5.0
(4.3)	(2.2)	(2.2)	(0)	(2.2)	(2.2)	(4.3)	(4.3)	(0)	(0)	(0)	(0)	(0)	(4.2)	(4.8)

LP mo	LP mode PB (REC)													
5.0	2.0	4.7	0.3	1.3	2.2	4.9	3.1	0	2.8	2.2	2.5	4.1	0	2.7
(5.0)	(3.8)	(4.8)	(0.3)	(1.3)	(2.2)	(4.9)	(4.4)	(0)	(3.1)	(0.1)	(0)	(4.0)	(2.2)	(2.7)
30					25					20				
)	IC901 (HA118019)													
1				5					10					15
4.2	0	0	0	0	0	4.2	2.3	0	0.7	0	0.7	0	2.3	5
(4.2)	(0)	(0)	(0)	(0)	(0)	(4.2)	(4.2)	(2.1)	(2.1)	(2.1)	(2.1)	(2.1)	(4.2)	(4.8)

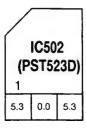
SP mo	SP mode PB (REC)													
0	0	0	0.74	0.65	0	0.65	0.74	0	0	5.05				
(0) (0) (0) (0) (0) (0) (0) (0) (4.27) (4.27) (4.98										(4.98)				
		20					15							
)	IC902 (BA7790S)													
1	1 5 10													
0.33	0.49	5.05	5.05	0.02	5.06	2.39	3.02	5.06	0	2.53				
(6.0)	(1.37)	(2.77)	(4.98)	(0)	(4.98)	(3.60)	(2.97)	(4.98)	(0.02)	(0.01)				

LP	.P mode REC (PB)													
0)	0	0	0.74	0.65	0	0.65	0.74	0	4.67	5.05			
(0))	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4.27)	(4.27)	(4.98)			
	20 15													
)) IC902 (BA7790S)													
	1 5 10													
0.3	0.33 0.50 2.82 5.05 0 5.05 2.70 5.05 5.05 5.11 2.53													
(6.	0)	(1.37)	(2.77)	(4.98)	(0)	(4.98)	(3.6)	(2.97)	(4.98)	(0.02)	(0.01)			

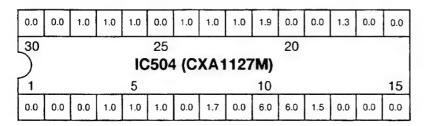
* 8mm System IC Voltage Sheet IC501 (CXP80724'S)

PB I	mode
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Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Voltage	2.5	0.0	0.0	0.0	0.0	0.0	1.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	5.3	5.3	5.2	0.0	5.2	0.0
Pin No.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Voltage	0.0	4.6	5.2	0.0	5.2	0.0	0.0	0.0	0.0	1.2	0.0	5.0	0.0	0.0	5.3	0.0	2.6	2.3	0.0	5.2	0.0	5.1	0.0	5.2	5.2
Pin No.	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Voltage	0.0	0.0	5.2	5.1	0.0	1,4	0.0	0.0	4.8	4.7	2.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	6.6	2.5	0.0	5.1	1.0	0.0	1.0
Pin No.	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Voltage	1.0	2.6	5.2	5.2	4.9	5.2	5.3	0.0	0.0	5.7	0.0	5.2	0.0	5.3	5.3	5.3	0.0	5.3	0.0	0.0	5.2	0.0	5.2	2.3	2.6



	0.0 0.0 0.0 4.6 0.0 0.0 0.													
-	10) IC503 (LB1836M)													
1	1 C503 (LB1836M) 1 5													
	4.7	0.0	0.0	4.8	0.0	0.0	0.0							

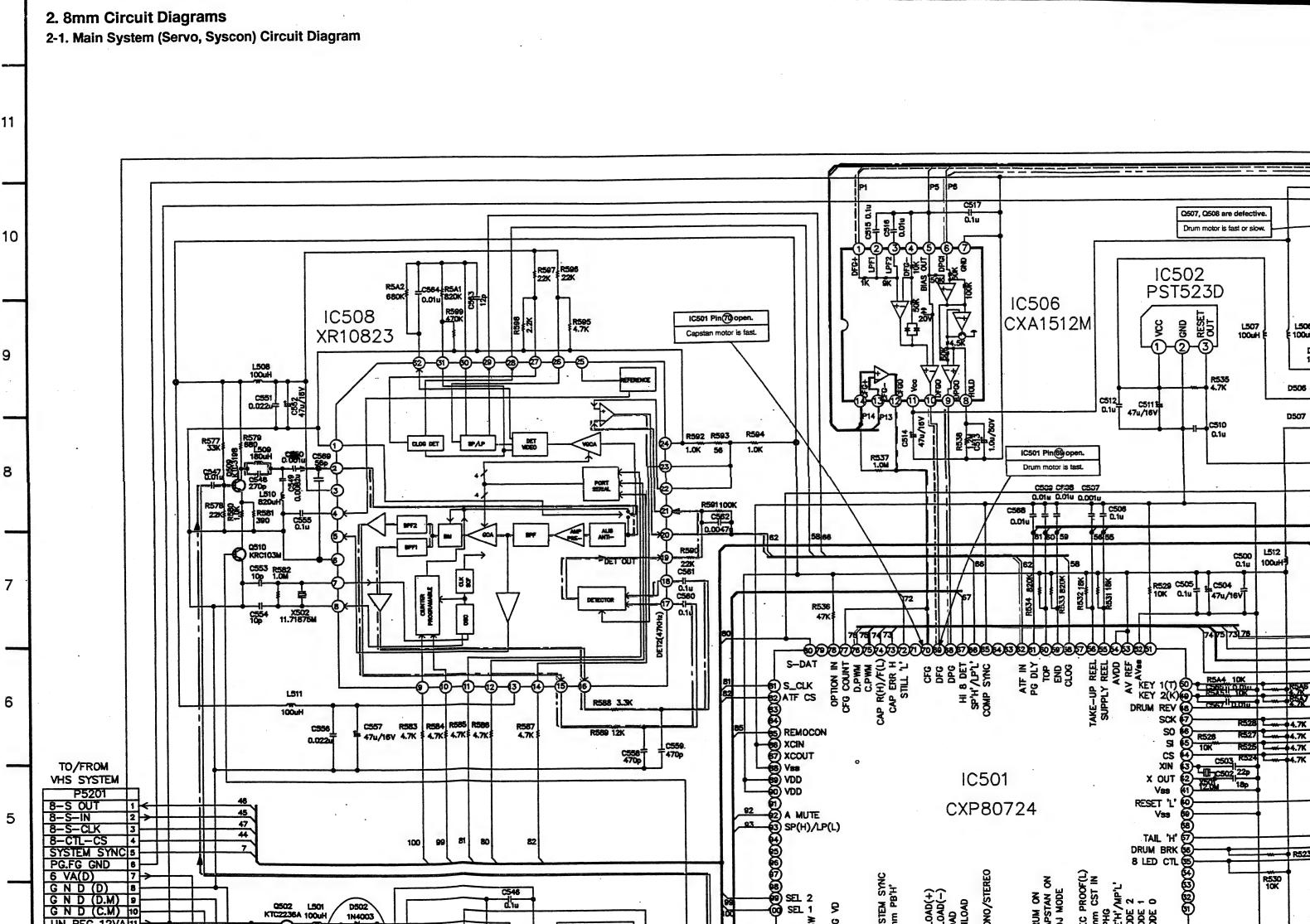


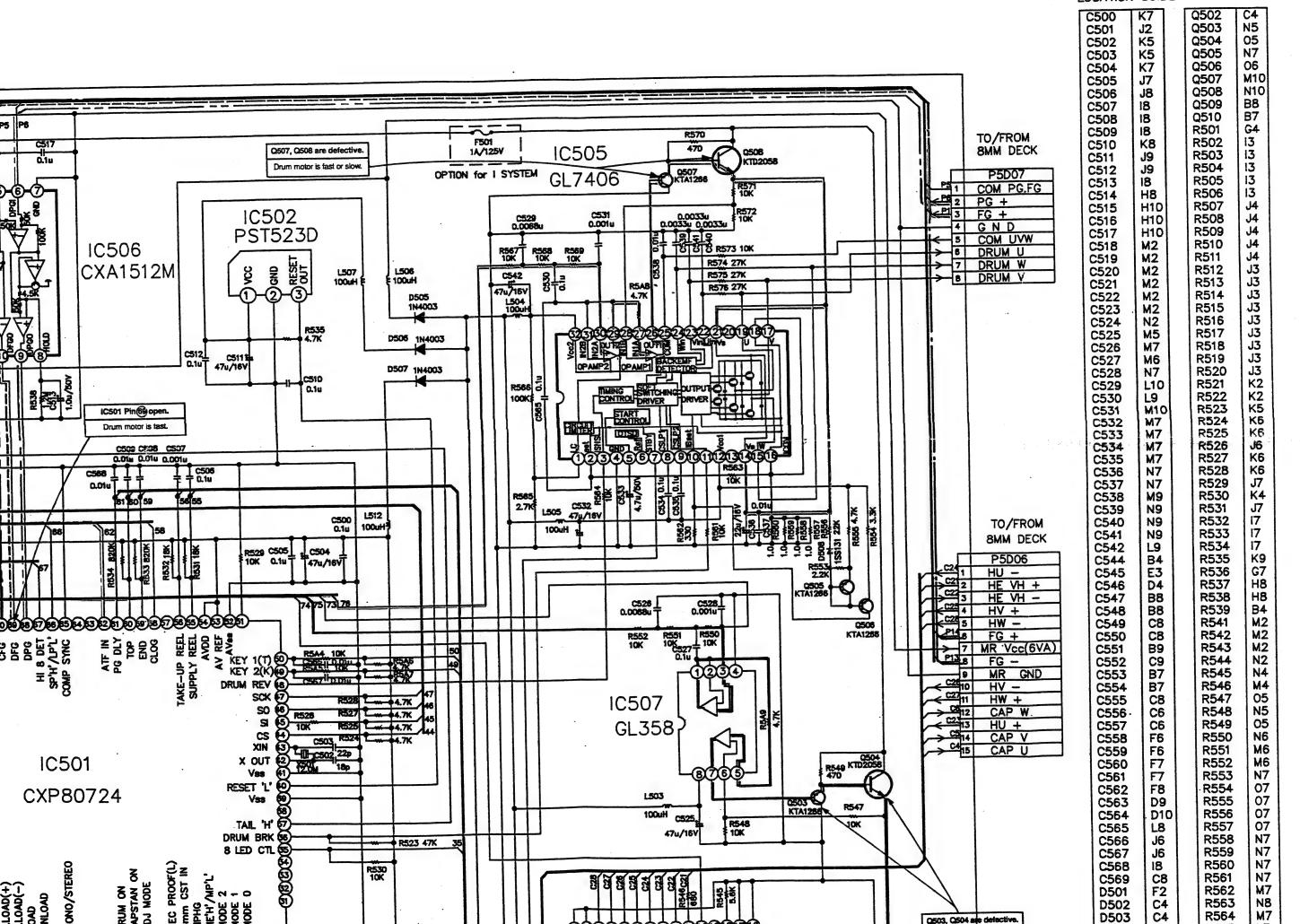
	6.0 0.8 0.8 0.8 0.8 0.8 1.6 0.9 1.0 1.0 1.0 1.8 0.0 0.0 0.0 0.0														0.0	
30 25 20																
) IC505 (GL7416)															
	1 5 10 1										15					
		0.0			1						0.0		0.0	1.8	0.0	

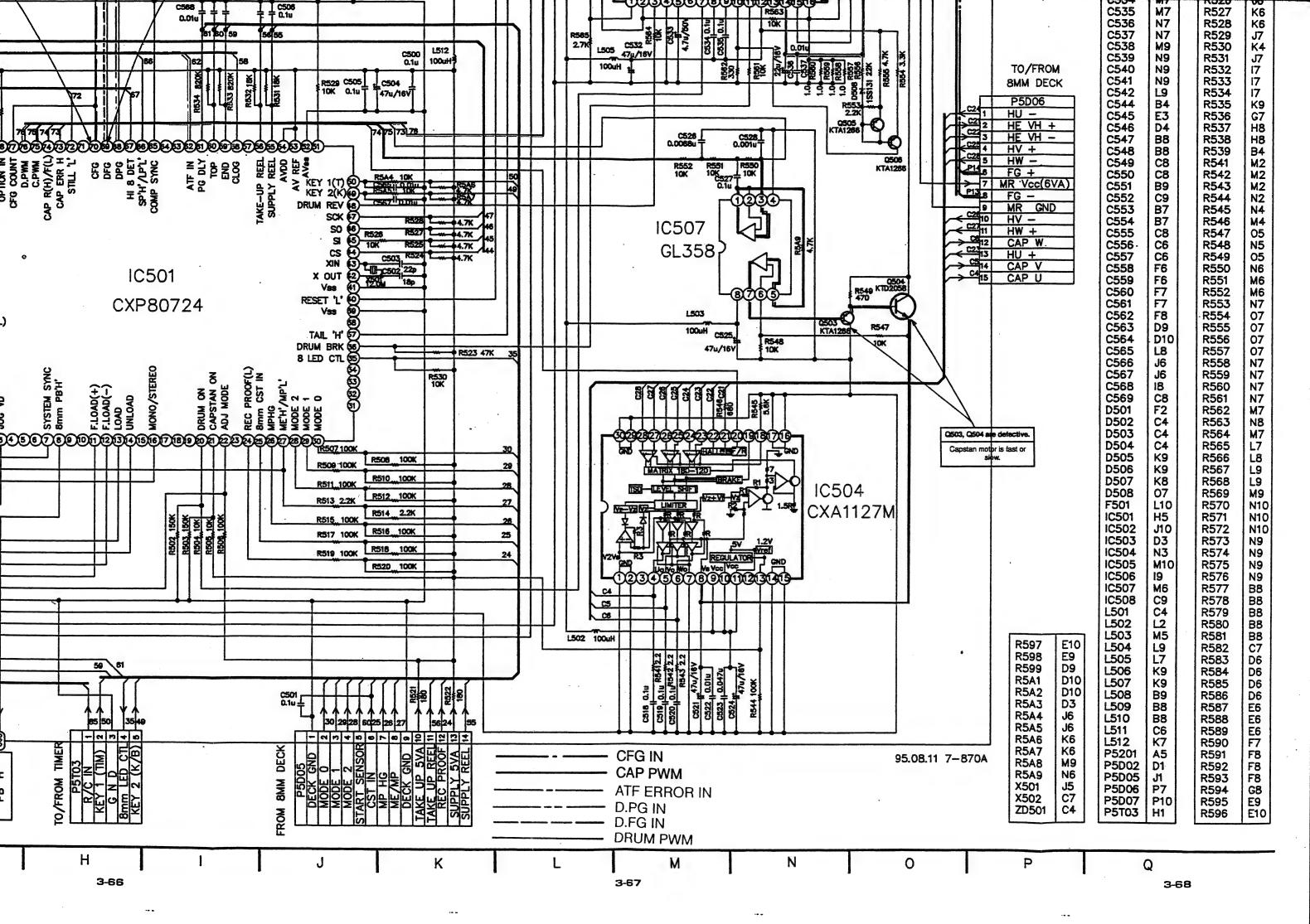
2.6	2.6 2.6 2.5 5.3 2.5 0.0 1.9											
10												
۱ (ر	IC506 (CXA1512M)											
1	1 5											
0.0	2.0	1.3	1.9	1.9	0.0							

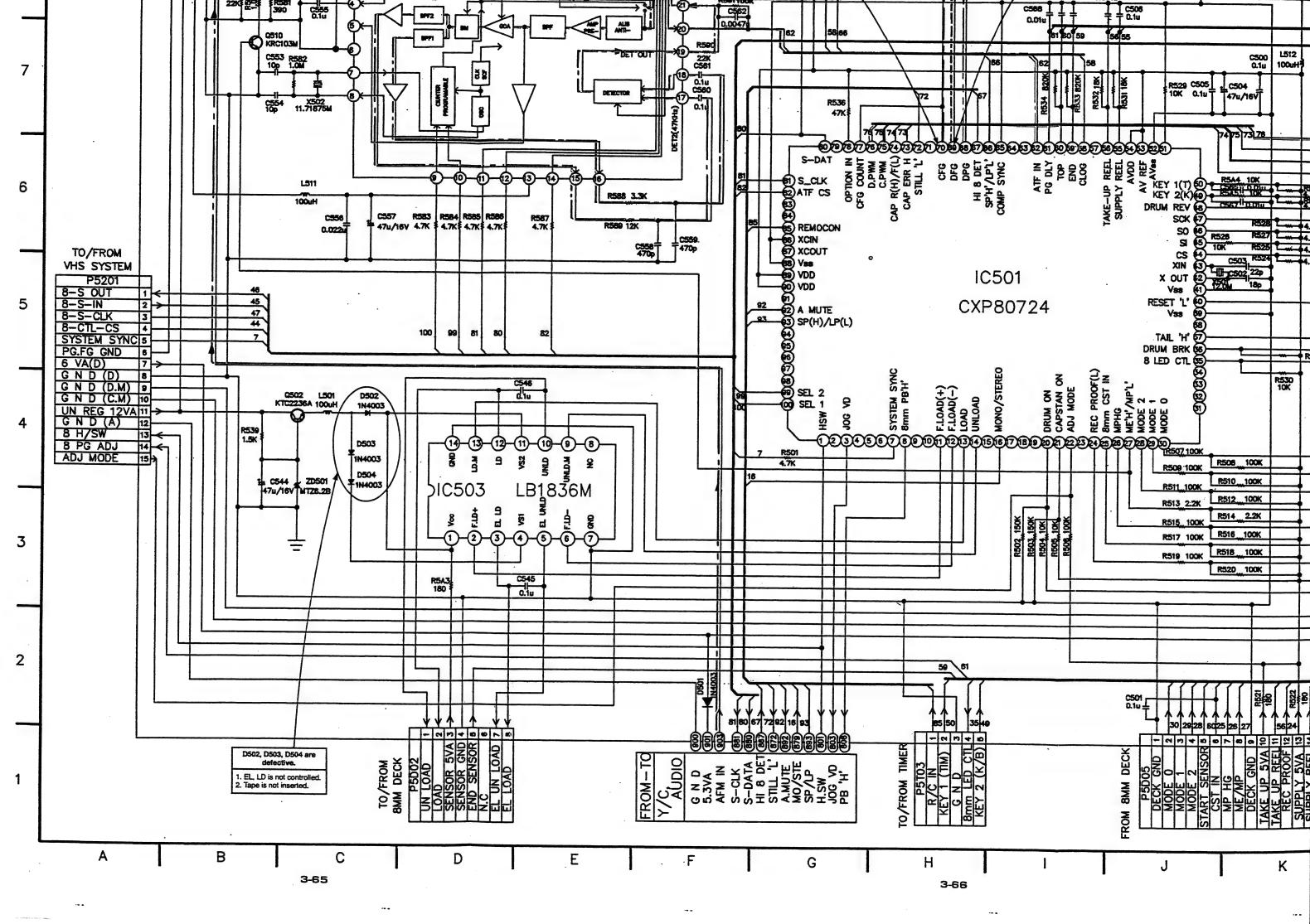
IC508 (XR10823)

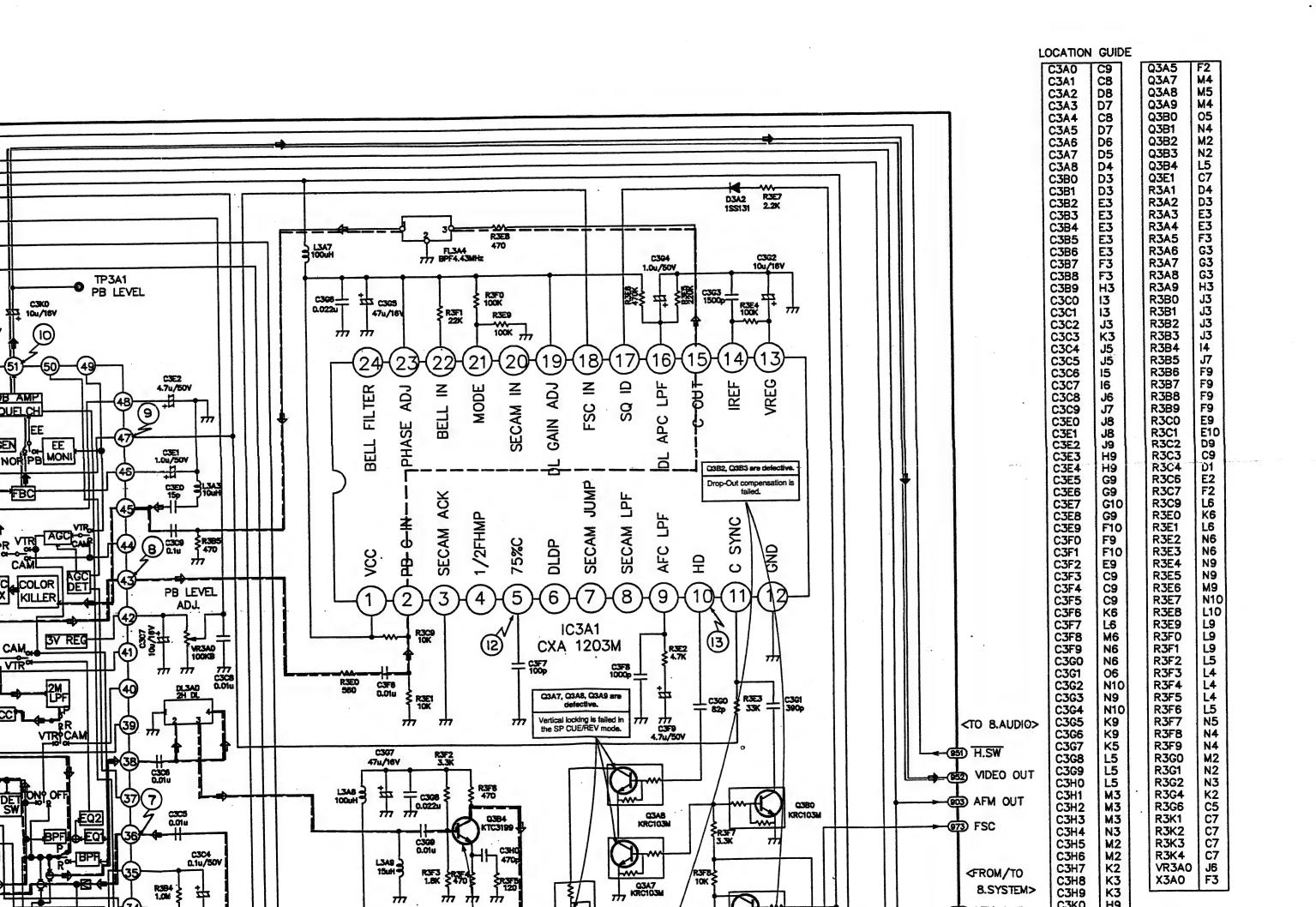
Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Voltage	0.0	2.5	5.2	0.0	2.6	0.0	1.5	2.2	2.5	0.0	0.0	0.0	0.0	0.0	2.6	2.6
Pin No.	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17
Voltage	3.4	0.8	2.0	0.0	0.0	0.6	0.9	2.6	0.0	2.6	2.6	2.6	2.6	0.0	2.5	2.5

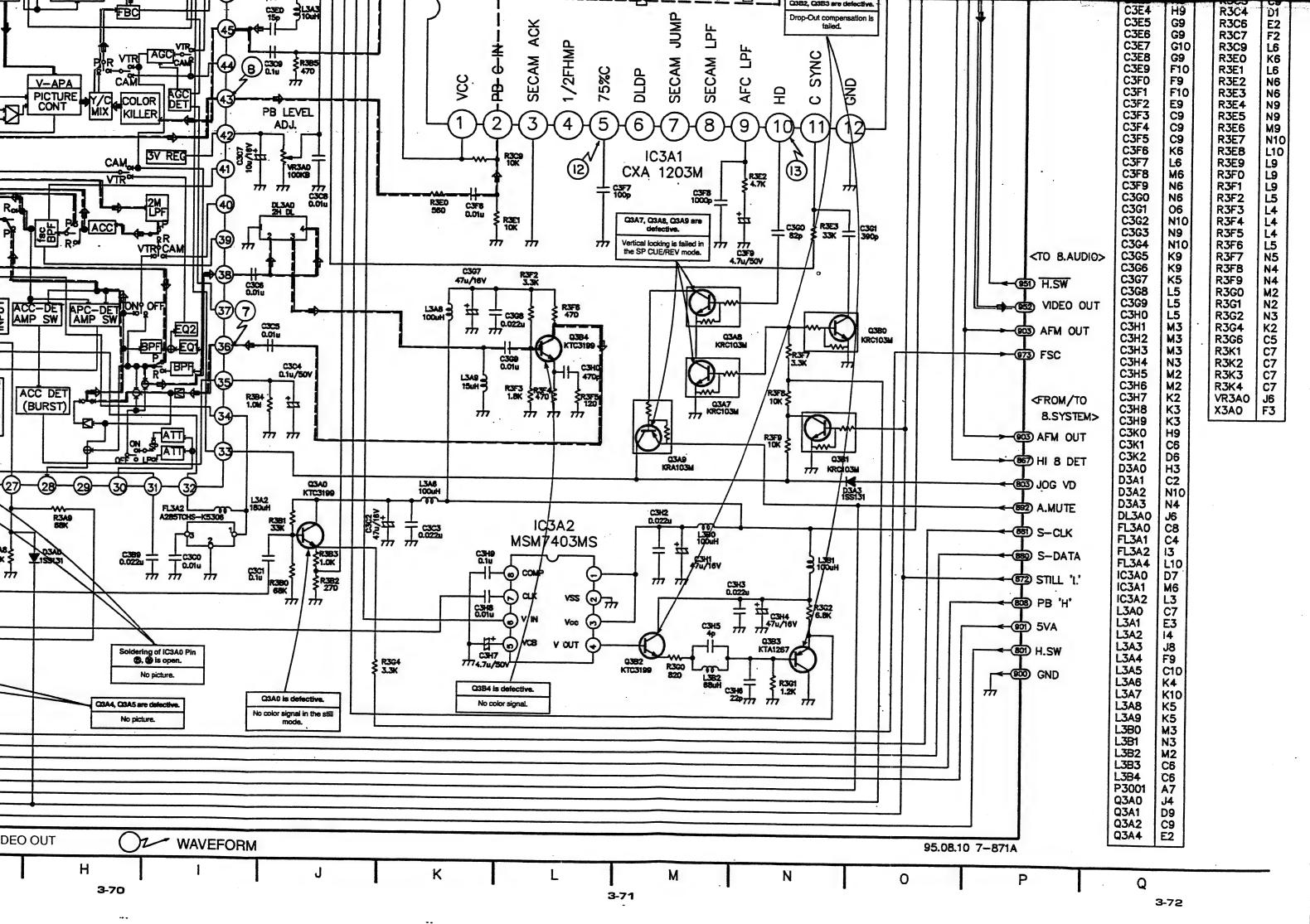


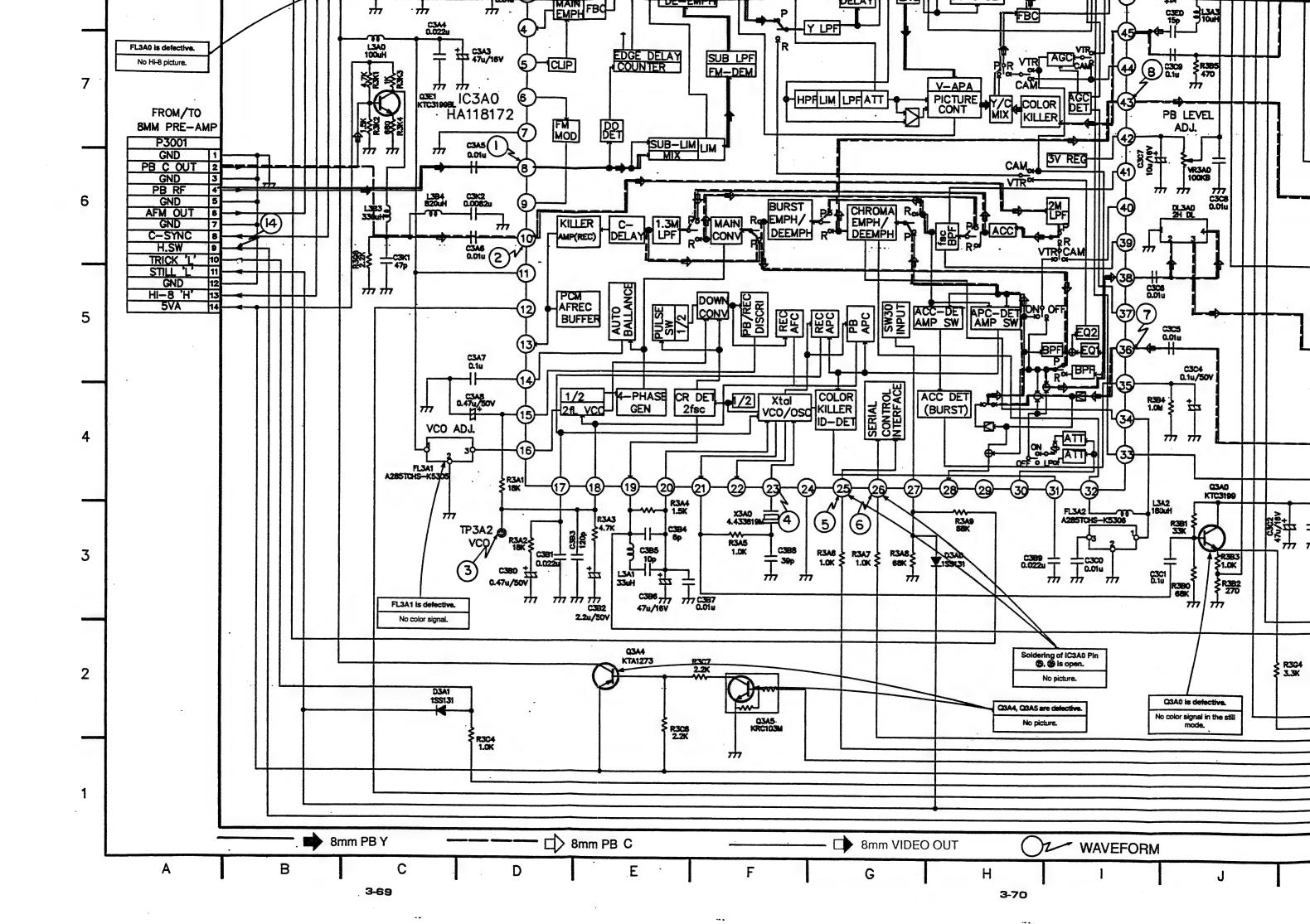






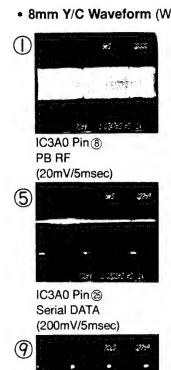






* 8mm Y/C Waveform (When taking a photograph of waveform, set probe of oscilloscope to 10:1)

3





IC3A0 Pin 40 C-SYNC (200mV/20µsec)



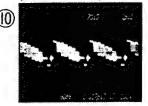
IC3A1 Pin (1)
HD Port
(100mV/20µsec)



PB COLOR (5mV/20µsec)



IC3A0 Pin ® Serial CLOCK (200mV/5msec)



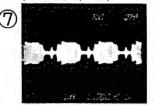
IC3A0 Pin (TP3A1) VIDEO OUT (50mV/20µsec)



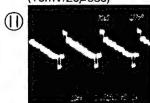
P3001 Pin (9)
H.SW
(500mV/5msec)



IC3A0 Pin (1) (TP3A2)
PB Color VCO
(100mV/20µsec)



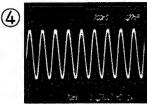
IC3A0 Pin ⊛ PB COLOR (10mV/20µsec)



IC3A0 Pin

Y-CCD IN

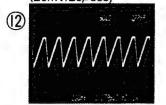
(10mV/20µsec)



IC3A0 Pin 23 PB Fsc (20mV/200nsec)



IC3A0 Pin (§)
PB Color
(20mV/20µsec)



IC3A1 Pin⑤ 75%C Port (100mV/50µsec)

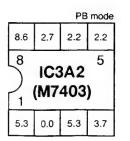
• 8mm Y/C TR Voltage Sheet

-	Port TR No.	Emitter	Collector	Base	Mode	
	Q3A0	2.9	5.3	3.5		
	0241	0.0	0.0	4.3	Hi-8 PB	
	Q3A1	0.0	4.4	0.0	Normal PB	
	0240	0.0	0.0	0.0	Hi-8 PB	
	Q3A2	0.0	0.0	4.4	Normal PB	
	Q3A4	5.3	5.2	4.6	PB	
	Q3A5	0.0	0.0	5.3	PB	
		0.0	0.0	0.0	PB	
	Q3A7	0.0	2.9	0.4	Still	
		0.0	2.4	0.9	Cue/Rev	
		0.0	0.4	0.0	PB	
	Q3A8	2.9	4.3	0.1	Still	
		2.4	5.2	0.3	Cue/Rev	
		0.0	0.9	0.4	PB	
	Q3A9	4.3	0.9	4.3	Still	
		5.3	1.0	5.2	Cue/Rev	
		0.0	0.2	0.0	PB	
	Q3B0	0.0	0.2	0.4	Still	
		0.0	0.2	0.9	Cue/Rev	
		0.0	0.0	5.3	PB	
	Q3B1	0.0	0.7	0.2	Still	
		0.0	0.0	5.3	Cue/Rev	
	Q3B2	3.0	5.2	3.6	PB	
	Q3B3	2.4	0.0	1.8	PB	
	Q3B4	1.2	4.0	1.8	PB	

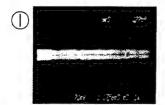
* 8mm Y/C IC Voltage Sheet

													PBI	node			
	0.0	2.0	1.2	3.3	1.2	2.6	2.1	5.1	2.1	3.1	2.4	3.2	1.5	2.2	1.3	3.1	
2.5														50		1.4	
5.0	64 PIN HI-8 : 4.3														0.4		
0.5															2.9		
0.7	5													45	2.2		
2.0															2.9		
0.6															2.2		
0.0	IC3A0															3.0	
3.0															2.1		
4.2	(HA118172)													40	2.3		
2.3	10																2.2
5.1																	1.8
0.0																	1.9
0.0																	3.0
2.3																35	2.9
2.2	15																2.1
5.1				20					25					30			0.8
	2.5	2.5	2.5	2.5	3.0	2.2	2.8	0.0	5.1	5.4	1.3	2.2	0.0	3.0	1.1	2.1	

PBmo													
1.5	5.2	4.7	2.7	0.1	5.2	0.7	4.8	1.9	2.2	2.2	4.3		
24 20 15													
IC3A1 (CXA1203M)													
1 5 10													
5.2	2.5	0.1	0.0	2.7	0.0	2.1	2.6	2.1	1.0	0.6	0.0		



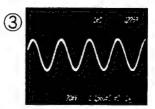
• 8mm AUDIO Waveform (When taking a photograph of waveform, set probe of oscilloscope to 10:1)



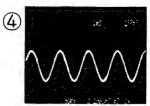
Q4A0 Base AFM IN (20mV/5msec)



IC4A0 Pin ①
Mod/Dem DET (L)
(20mV/1msec)



IC4A0 Pin[®] MAT IN (L) (20mV/1msec)



P4V02 Pin ⑤ AUDIO (L) OUT (50mV/1msec)

• 8mm Audio TR Voltage Sheet

PB mode

Port TR No.	Emitter	Collector	Base
Q4A0	1.2	3.2	1.8
Q4A1	2.6	5.2	3.2
Q4A2	0.0	0.0	0.0
Q4A3	0.0	0.0	0.0
Q4A4	0.0	5.2	0.0
Q4A5	5.3	0.0	5.2
Q4A6	0.0	2.6	2.6

* 8mm Audio IC Voltage Sheet

PB mode

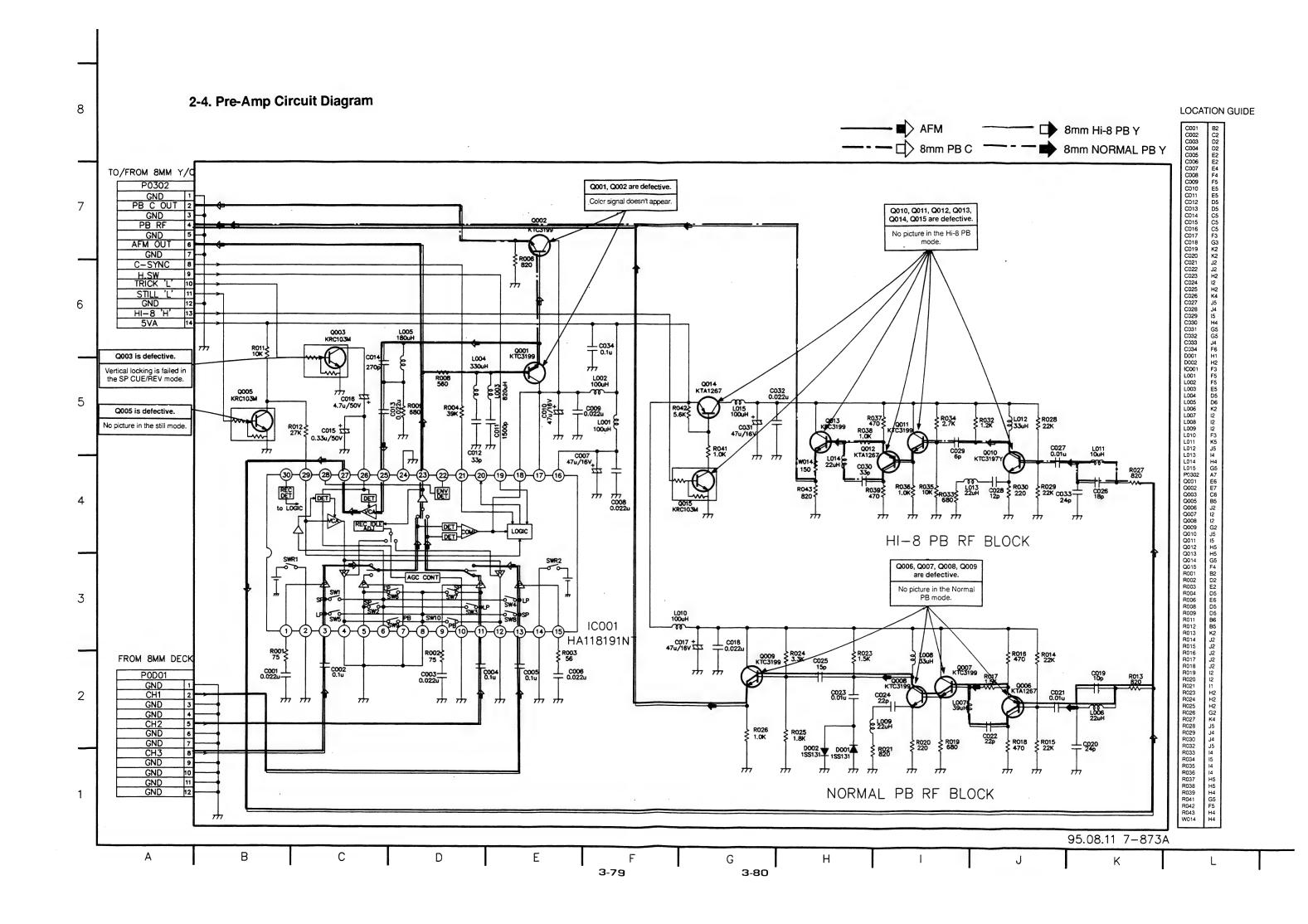
	J1111				•	0111	ag c	011		•										PB	mode
	1.5	1.9	0.8	0.0	2.3	2.3	2.3	2.3	2.3	2.3	3.1	2.3	2.2	0.0	0.0	2.3	2.3	2.3	2.3	2.3	
2.3	60					55					50					45				40	2.3
5.3																					2.4
2.1																					5.3
1.8																					2.8
4.7	65																				2.3
0.0	66 F	PIN MC	ONO	4.7V																35	2.3
2.8																					2.3
0.0																					5.3
5.2									,	C4/	۸.۵										5.3
5.5	70										40 276	F									2.9
2.8																				30	0.4
2.8																					0.0
0.0																					0.0
3.6																					2.3
0.8	75																				2.3
1.7																				25	2.3
0.0																					2.8
5.3																					0.0
2.1																					2.3
3.7	1				5					10					15					20	2.3
\bigvee	2.3	1.5	1.8	0.7	0.0	2.3	2.3	2.3	2.3	2.3	2.3	3.0	2.3	0.2	0.2	2.3	2.3	2.3	2.3	2.3	

* 8mm Pre-Amp TR Voltage Sheet

Port TR No.	Emitter	Collector	Base	Mode
Q001	2.4	5.1	3.1	
Q002	1.7	5.1	2.4	
Q003	0.0	0.0	4.9	PB
4000	0.0	3.6	0.1	Cue/Rev
Q005	0.0	0.0	5.1	PB
4000	0.0	4.4	0.2	Still
Q006	3.4	1.8	2.7	
Q007	2.7	5.2	3.3	
Q008	2.0	5.1	2.7	
Q009	1.2	5.2	1.8	Normal PB
4009	3.3	5.1	1.8	Hi-8 PB
Q010	1.1	5.1	1.8	
Q011	3.3	5.1	4.0	
Q012	4.0	1.1	3.3	
Q013	0.0	0.0	1.2	Normal PB
Q010	3.3	5.1	4.0	Hi-8 PB
Q014	5.2	0.0	5.2	Normal PB
Q014	5.2	5.1	4.4	Hi-8 PB
Q015	0.0	5.2	0.0	Normal PB
QUIS	0.0	0.1	4.2	Hi-8 PB

* 8mm Pre-Amp IC Voltage Sheet

													PD	mode
0.1	0.1	0.3	1.8	1.5	3.7	0.0	3.1	3.9	0.2	2.3	2.6	5.1	5.1	5.2
30					25	IC	001			20				
					(H			1N1	Γ)					
1				5					10					15
2.2	0.0	0.7	0.0	0.0	3.2	0.0	0.0	2.1	0.0	0.7	0.0	0.7	0.0	2.1



PRINTED CIRCUIT BOARD DIAGRAMS

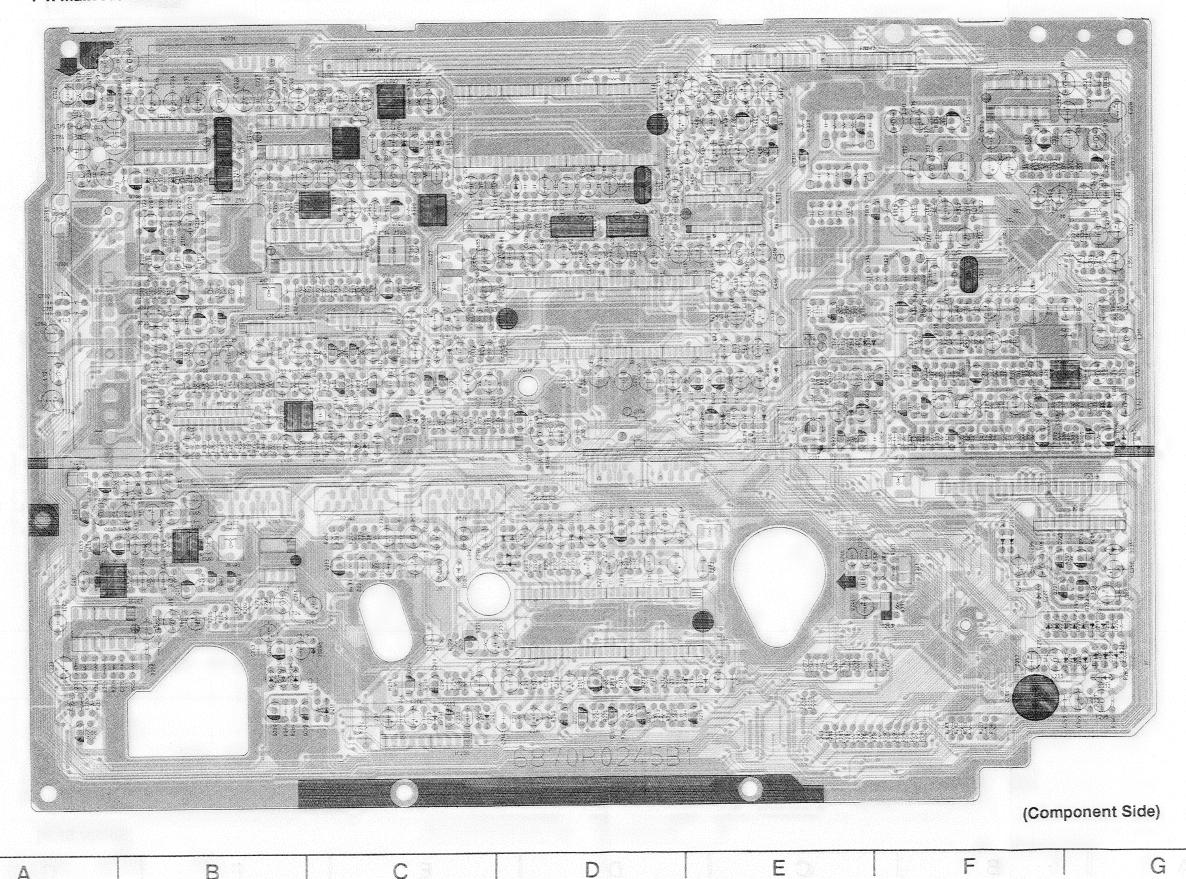
1. VHS Printed Circuit Board

1-1. Main P.C.Board

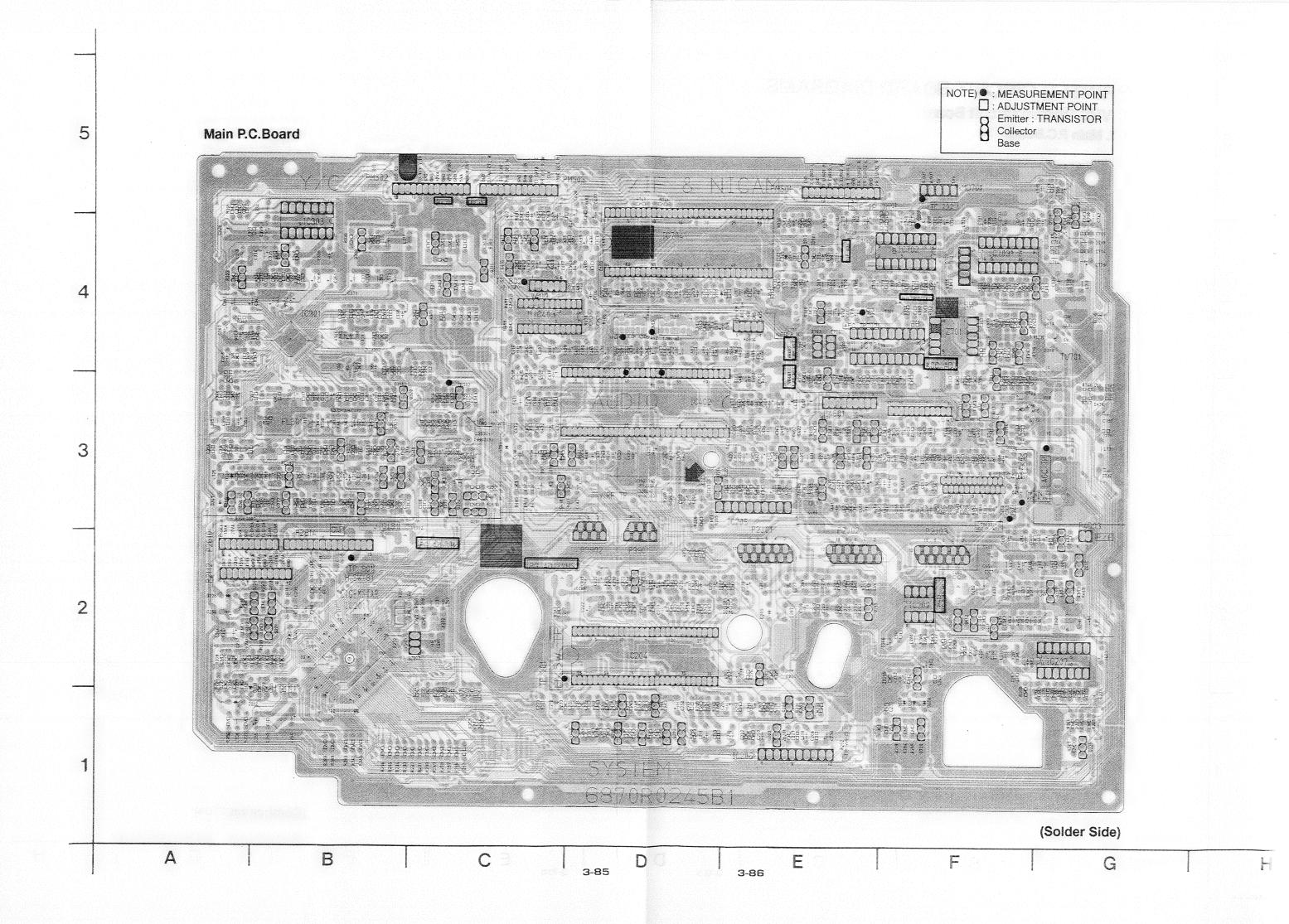
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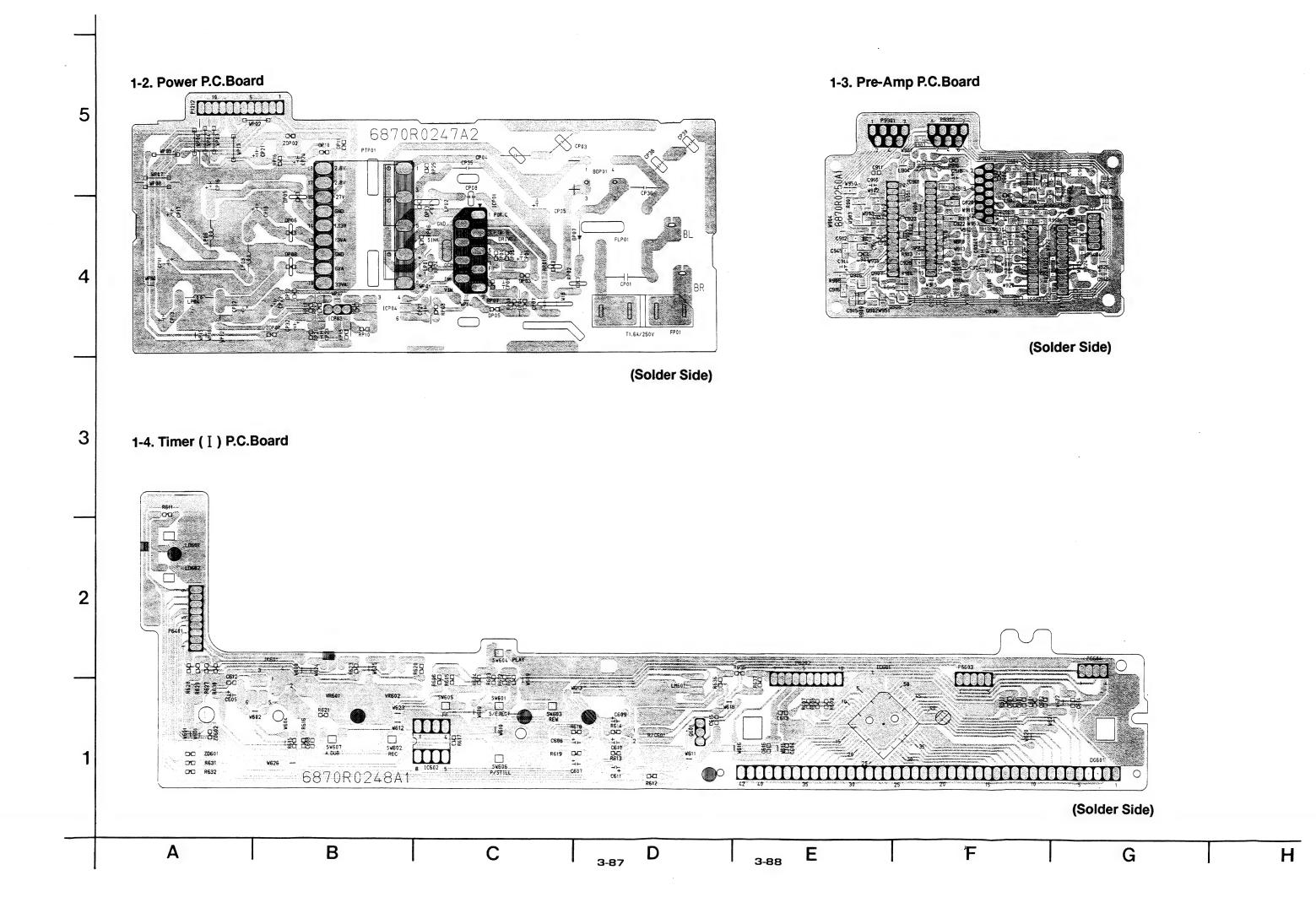


3-84

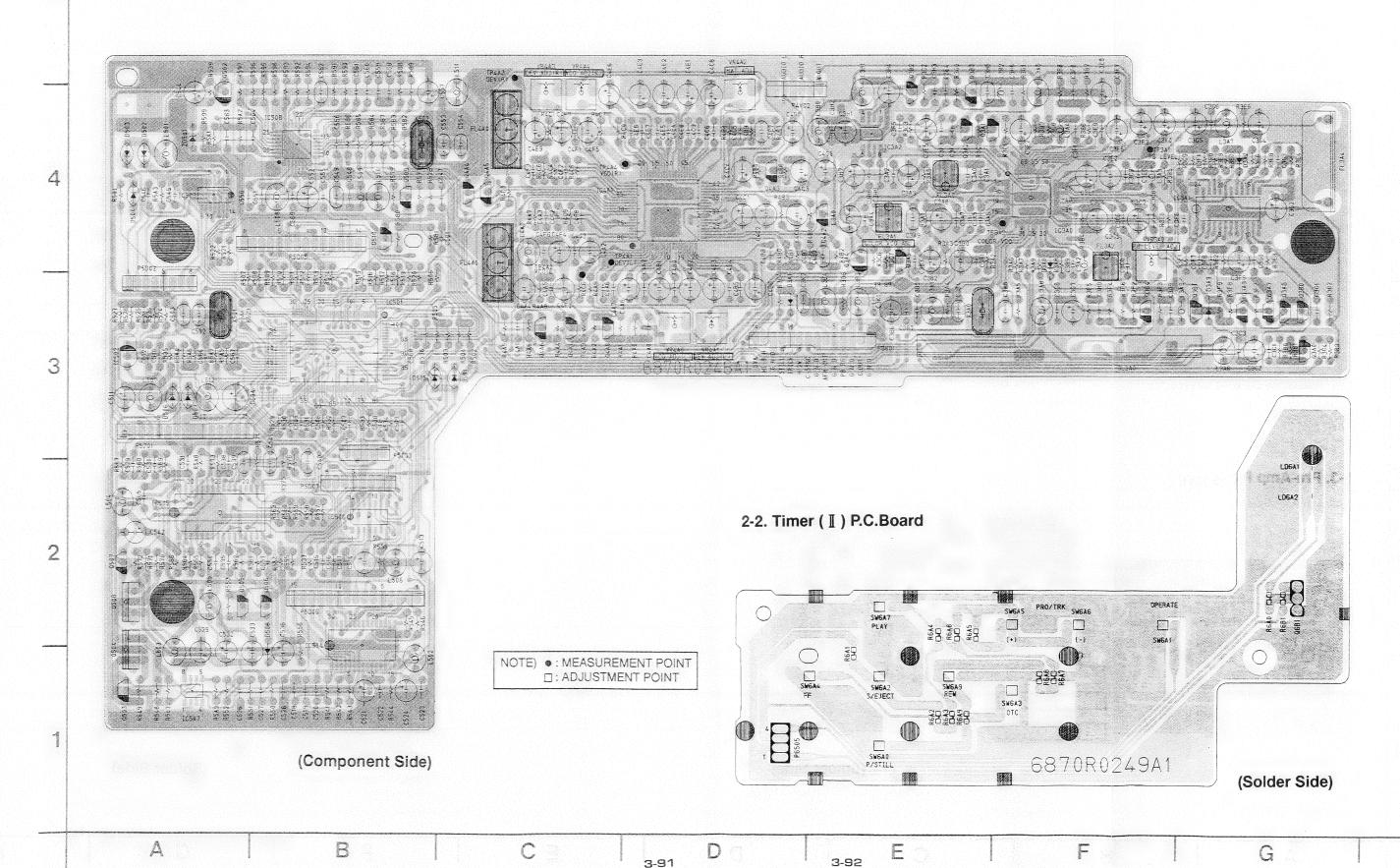


1-5. Deck Junction P.C.Board 1-6. Scart In/Out P.C.Board 5 4 (Solder Side) (Component Side) 3 DC 20806 70807 20811 20812 20823 DC DC DC DC (Solder Side) G B A 3-90 3-89

Н



5



2-4. Deck Junction P.C.Board

FIGURE 1. SENSOR

TOP-SENSOR

2

3

5

4

1

A B C 3-95 D

(Solder Side)

MEMO

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SECTION 4 MECHANISM

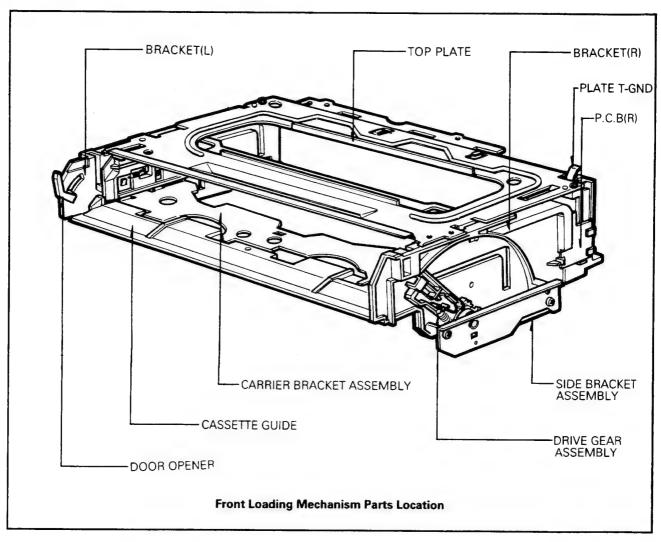
CONTENTS

SECTION 4-1 VHS DECK MECHANISM

SECTION 4-2 8mm DECK MECHANISM

SECTION 4-1. VHS DECK MECHANISM FRONT LOADING MECHANISM DISASSEMBLY

Front Loading Mechanism Parts Location



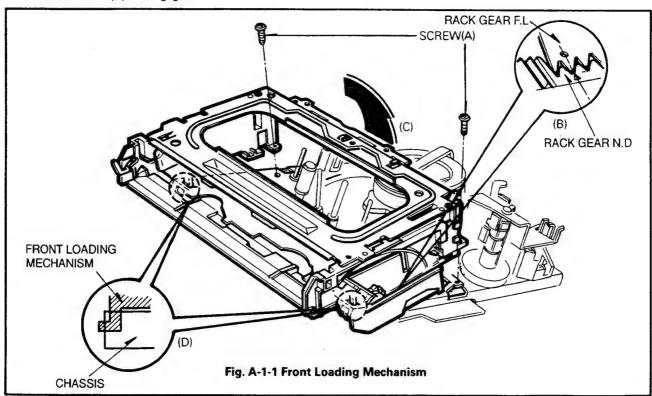
- Component list below will be discribed as if the top and bottom covers and the front panel have already been removed.
- 2. P.C.B Assembly
- 3. Top Plate
- 4. Carrier Bracket Assembly

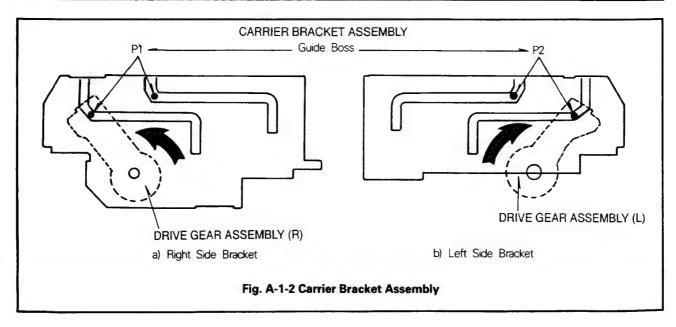
- 5. Cassette Guide
- 6. Side Bracket Assembly
- 7. Bracket(L), (R)
- 8. Door Opener
- 9. Drive Gear Assembly

1. Front Loading Mechanism Assembly (Fig. A-1-1)

- 1) Remove the Top and Bottom Covers and the Front panel.
- 2) Unplug the connector.
- 3) Remove two screws(A).
- 4) Lift up the Front Loading Mechanism in the direction of arrow(C).

- 1) When disassembling and reassembling
- ① Give special attention to removal and to reassemble, because two tabs(D) are engaged.
- ② Make sure that Bosses of Bracket(L),(R) are properly engaged in the holes of the chassis.
- ③ To reassemble Front Loading Mechanism, the Drive Gear Assembly should be turned in a counterclockwise as shown in Fig. A-1-2 so that the Rack Gear N.D of Front Loading Mechanism Assembly is meshed into Rack Gear F.L of Deck Mechanism Assembly correctly as shown in Fig. A-1-1.(B).





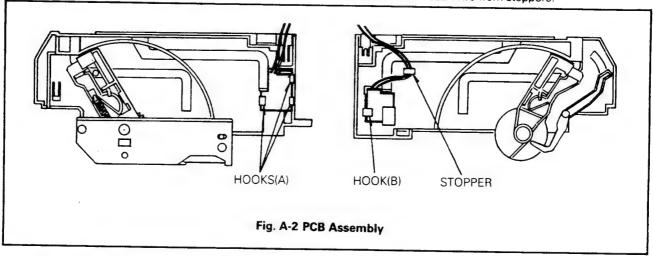
2. PCB(Printed Circuit Board) Assembly

2-1. P.C.B Assembly(R)(Fig. A-2)

- 1) Remove the PCB Assembly(R) by pushing three Hooks (A) outward.
- 2) Release the Lead wire from stoppers.

2-2. PCB Assembly(L).(Fig. A-2)

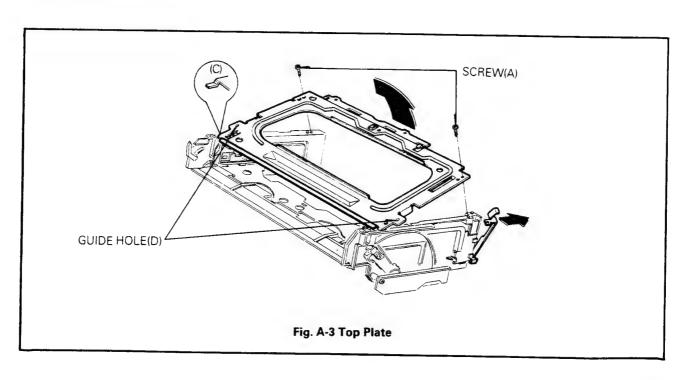
- Remove the PCB Assembly(L) by pushing the Hook(B) outward.
- 2) Release the Lead Wire from stoppers.



3. Top Plate(Fig. A-3)

- 1) Remove two screws(A).
- 2) Push the upper part of Top plate Ground and then lift up the Top Plate in the direction of arrow(B).

- 1) When reassembling, be certain that the tabs(C) of Top Plate is in both Bracket(L),(R).
- ① Then align the guide holes(D) of Top Plate with Bosses of side Bracket(L),(R).



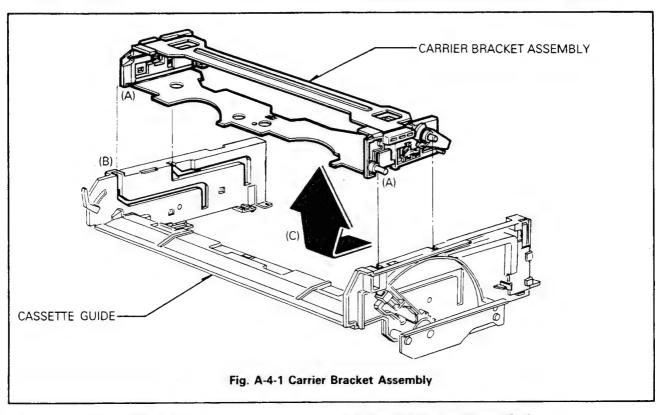
4. Carrier Bracket Assembly

4-1. Carrier Bracket Assembly(Fig. A-4-1)

1) Remove the Carrier Bracket Assembly by moving it in the direction of arrow(C).

* NOTE

1) When reassembling, be sure that parts(A) of Carrier Bracket Assembly are seated in parts(B) of Bracket(L),(R).



4-2. Cassette Opener(Fig. A-4-2)

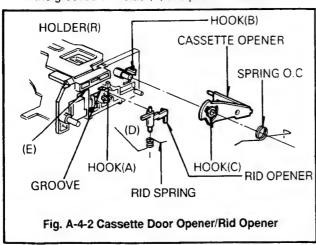
- 1) Release the spring O.C from the Hook(A) and then release it from Hook(C) of cassette opener.
- 2) Remove the cassette opener by releasing the Hook(B) from the Holder(R).

4-3. Rid Opener(Fig. A-4-2)

1) Remove the rid opener by pushing it outward.

* NOTE

 When reassembling, seat the upper part of the rid opener in the grooved of Holder(R) and push it inward.

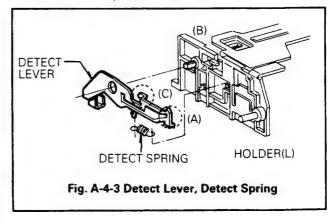


4-4. Detect Lever and Detect Spring

- 1) Remove the spring detect.
- Lower the side(A) of Detect Lever and then remove the Detect Lever by pushing it outward.

NOTE

1) When reassembling, make sure that the part(C) of Detect Lever set in the part(B) of Holder(R).

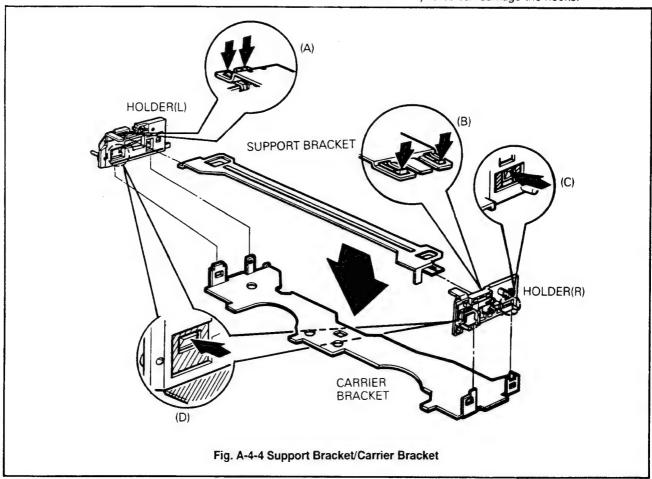


4-5. Support Bracket Assembly(Fig. A-4-4)

1) Take the Support Bracket out by releasing hooks(A),(B).

* NOTE

 When disassembling and reassembling, be careful because heavy force can damage the hooks.



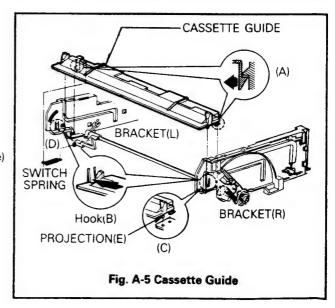
4-6. Carrier Bracket Assembly(Fig. A-4-4)

1) Remove the Carrier Bracket by releasing hooks(C),(D).

5. Cassette Guide(Fig. A-5)

- 1) Remove the Switch Spring with the Front Loading Mechanism Assembly turned over.
- 2) Push two hooks(B) outward.
- Remove the Cassette Guide by pushing two hooks(A).
 outward(if one is removed, the other will be easy to remove)

- 1) When reassembling
- ① Seat projections(E) of Cassette Guide in holes of Bracket Assembly(L),(R) and then engage the Hook(A).
- ② After finishing previous step, fix the Cassette Guide to the Bracket Assembly(L),(R) by pushing two hooks(B) inward.

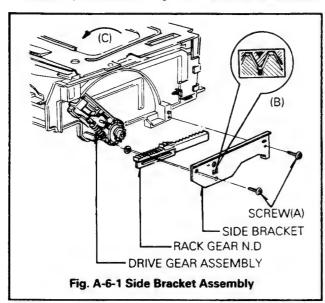


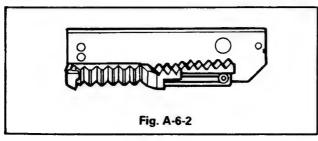
6. Bracket Assembly Side (Fig. A-6-1)

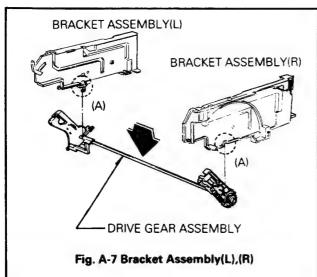
Remove two screws(A) and then remove the Side Bracket Assembly and the Rack Gear N.D.

* NOTE

- 1) When reassembling
- Turn the Drive Gear Assembly in the direction of arrow
 (C)
- ② Reassemble the Rack Gear N.D. to the Side Bracket Assembly, as shown in Fig. A-6-2, and then reassemble







it to the Bracket Assembly(L), This time the Assembling Figure should be the same as(B) at the rectangular hole of Bracket Side.

7. Bracket Assembly(L),(R)(Fig. A-7)

 Seperate the Bracket Assembly(L),(R) from the Gear Assembly Drive.

* NOTE

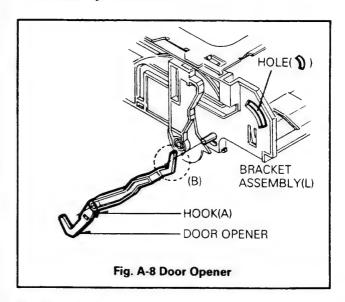
1) When reassembling, seat the shaft in the part(A) of Bracket Assembly(L),(R).

8. Door Opener(Fig. A-8)

1) Remove the Door Opener by pushing Hook(A) outward.

NOTE

1) When reassembling, seat the part(B) of Door Opener in the hole() of Bracket(L).



9. Drive Gear Assembly

9-1. Drive Gear Assembly(Fig. A-9-1)

 Remove the Drive Gear Assembly from the Bracket Assembly(L),(R).

9-2. Cushion Spring(Fig. A-9-1)

1) Remove the cushion spring from the Gear R.

9-3. Cap-D(Fig. A-9-1)

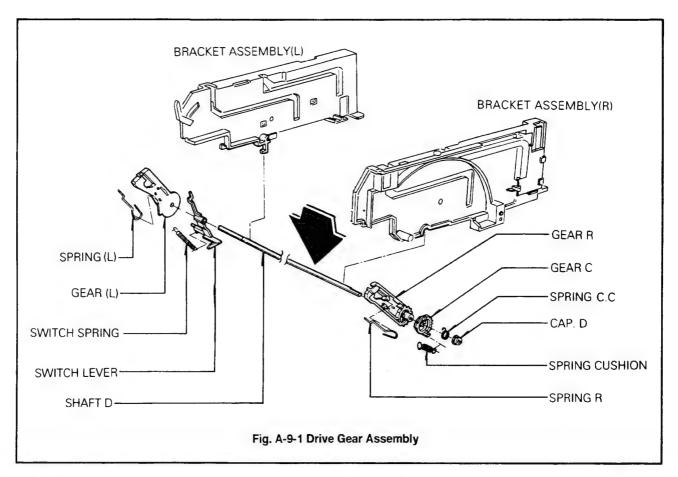
1) Remove the Cap-D by lifting it up.

9-4. Spring C.C(Fig. A-9-1)

1) Remove the Spring C.C from the Gear R.

9-5. Gear C(Fig. A-9-1)

 Remove the Gear C by lifting up when the projection of Gear C is aligned with the hole of Gear R while rotating the Gear C in the counterclockwise direction.



* NOTE

1) When reassembling, seat the projections of Gear R in the holes of Gear C when the projection of Gear R is aligned with the hole of Gear C, and then keep the Gear C turned in the clockwise direction.

9-6. Gear R(Fig. A-9-1)

1) Lift up the Gear R from the Shaft.

9-7. Spring R(Fig. A-9-2)

1) Remove the Spring R by releasing Hooks.

* NOTE

1) When reassembling, be certain Spring R in the part(A) of Gear R.

9-8. Gear L.(Fig. A-9-1)

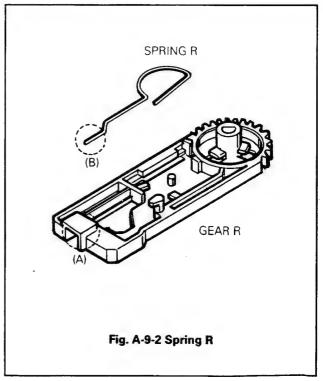
1) Remove the Gear L from the shaft.

9-9. Spring L (Fig. A-9-2)

- 1) Remove the Spring L by releasing Hooks from the Gear
- * NOTE: (Refer to the Spring R Section)

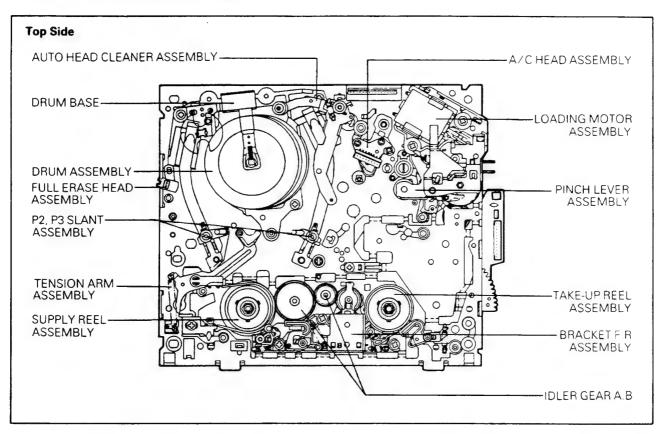
9-10. Switch Lever(Fig. A-9-1)

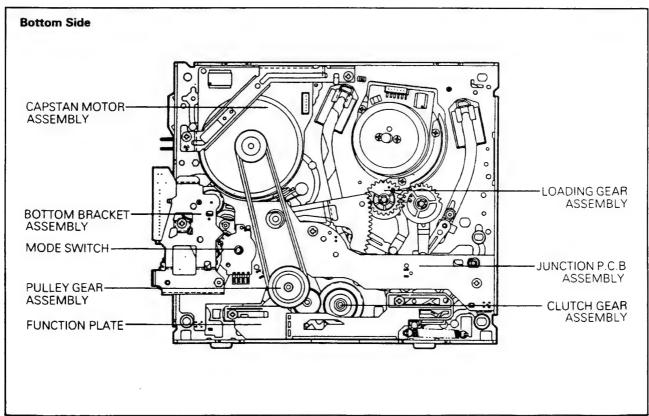
1) Remove the Switch Lever from the shaft.



DECK MECHANISM DISASSEMBLY

• Deck Mechanism Parts Location



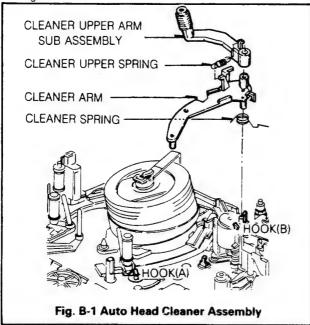


1. Auto Head Cleaner Assembly (Fig. B-1) (Optional Item)

- Remove the Cleaner Arm Assembly (Auto Head Cleaner Assembly) by pushing the Locking Tab.(B) outward.
- Remove the Cleaner Upper Spring and then remove the Cleaner Upper Arm Sub Assembly.
- 3) Remove the Cleaner Spring.

* NOTE

 When reassembling, do not touch the Video Head Tip with fingers or tools.

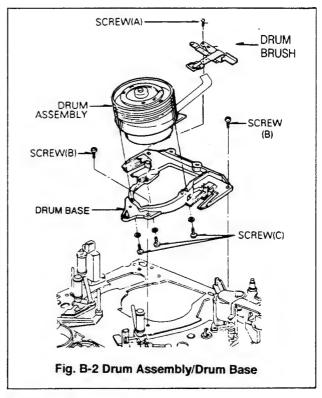


2. Drum Assembly and Drum Base(Fig. B-2)

- 1) Remove the Auto Head Cleaner Assembly. (Option)
- Unplug the connector with the Deck Mechanism Assembly turned over.
- 3) Loosen the screw(A) and then lift up the Drum Brush.
- Remove two screws(B) and then lift up the Drum Assembly and Drum Base from the Deck Mechanism Assembly.
- 5) Separate the Drum Assembly from the Drum Base by Loosening three screws(C) on the back of Drum Base.

. NOTE

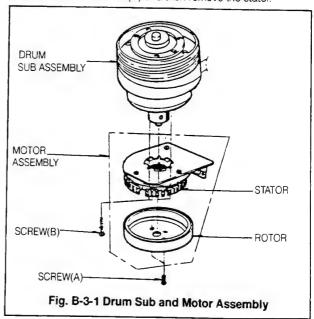
- 1) When disassembling and reassembling
- Do not touch the Video Head tip with fingers or tools.
 (Give special attention to disassembling and reassembling of Auto Head Cleaner Assembly)
- ② After reinstalling the Drum Brush, the Drum Brush should be aligned with the center of vertical axis of Drum Assembly.
- 3 After completing the reassembly, adjust the transportation system and the Servo P.G.



3. Drum Assembly

3-1. Drum Sub and Motor Assembly (Fig. B-3-1)

- : New Type (No two screws and P.C.B on the Drum)
- 1) Remove the Drum Base from the Deck Mechanism Assembly.
- 2) Separate the Drum Assembly from the Drum Base.3) Remove two screws(A) and then remove the rotor.
- 4) Remove three screws(B) and then remove the stator.



NOTE

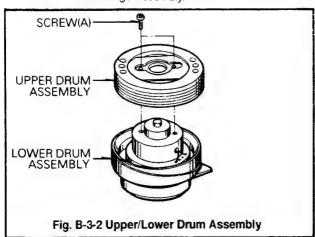
- 1) When disassembling and reassembling
- ① Do not touch the Video Head Tip with fingers or tools.

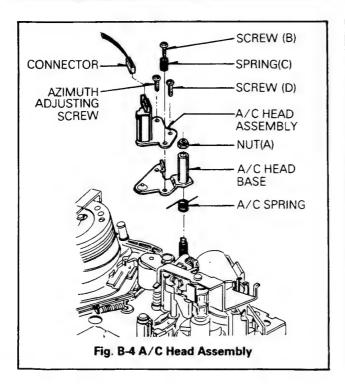
3-2. Upper and Lower Drum Assembly (Fig. B-3-2)

- : Old Type (There are two screws and P.C.B on the Drum)
- Remove the Drum Assembly and Drum Base from the Deck Mechanism Assembly.
- 2) Separate the Drum Assembly from the Drum Base.
- 3) Remove two screws(A).
- 4) Remove the P.C.B.
- Separate the upper Drum Assembly from the Lower Drum Assembly.

* NOTE

- 1) When disassembling and reassembling
- ① Do not touch the Video Head Tip with fingers or tools.
- ② Make sure that the color(white) marked on the P.C.B of the upper Drum should coincide with the color(Green) marked on the Flange Assembly.





4. A/C(Audio/Control) Head Assembly (Fig.B-4)

- 1) Unplug the connector
- Remove the Nut(A), and then lift up the A/C Head Assembly.
- 3) Remove the Azimuth Adjusting Screw.
- Remove two screws(B),(D) and then separate the A/C Head Assembly from the Base A/C Head Assembly.

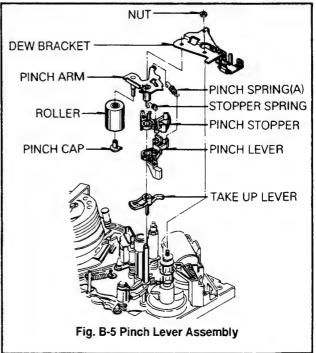
* NOTE

- 1) When disassembling
- (1) First of all, release the spring A/C.
- ② Do not touch the A/C Head Tip with fingers or tools.
- 3 After reinstalling the Audio Control Head Assembly, adjust the Tilt, Azimuth and Height of A/C Head.

5. Pinch Lever Assembly(Fig. B-5)

- 1) Remove one Nut, and then remove the Dew Bracket.
- 2) Lift up Pinch Lever Assembly.
- 3) Remove the Pinch Spring, and remove the Pinch Lever.
- 4) Remove the Stopper Spring and remove the Pinch Stopper by lifting it up when the Hook of Pinch Stopper is aligned with the hole of Pinch Arm while rotating the Pinch Stopper in the counterclockwise direction.
- Remove the Pinch Cap, and then remove the Pinch Roller Assembly.

- 1) When disassembling and reassembling
- 1 Be careful not to get any foreign substance on the Roller.
- When disassembling the Pinch Cap, be careful not to damage the Pinch Arm.

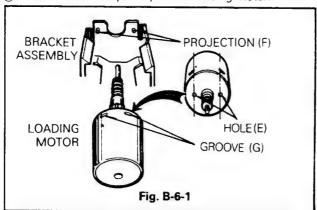


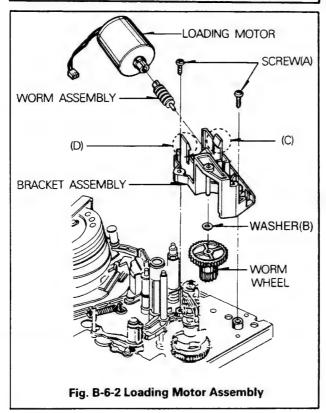
6. Loading Motor Assembly(Fig. B-6-1, B-6-2) 7. Take Up Lever(Fig. B-7)

- 1) Remove the Dew Bracket.
- 2) Unplug the connector from the Junction P.C.B Assemblv
- 3) Remove two screws(A).
- 4) Remove the worm wheel by pushing it down.
- 5) Remove the Loading Motor Assembly by pushing(C) and (D) outward
- 6) Remove the worm Gear Assembly from the Loading Motor Assembly by pushing it.

* NOTE

- 1) When reassembling
- ① Make sure that the worm assembly is seated in the axis of Loading Motor.
- ② Two grooves(G) of Loading Motor should be turned up and two projections(F) of Bracket Assembly should be seated in each at the two holes(E)(Fig. B-6-1).
- 3 Take notice of the polarity of the Loading Motor

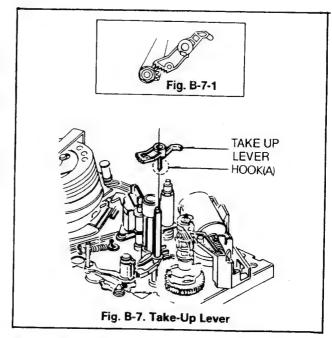




- 1) Remove the Loading Motor Assembly.
- 2) Remove the Dew Bracket(Fig. B-5).
- 3) Remove the Pinch Lever Assembly(Fig. B-5).
- 4) Keep the Pinch Gear turned in the clockwise direction
- 5) Remove the Take-Up Lever by pushing the hook(A) cutward.

* NOTE

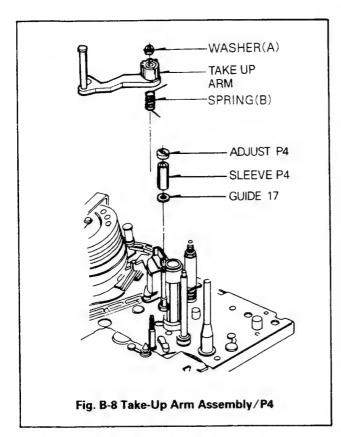
- 1) When disassembling and reassembling
- ① When disassembling the Take-Up Lever, be careful not to break the Hook(A).
- ② When reassemble the Take-Up Lever, align the appendant Gear of Lever Take-Up with the appendant Gear of Takeup Arm
- 3 Reassemble the Take-Up Lever completely by hooking
- (4) Be sure to replace together Take-Up Lever and Pinch
- (5) Be sure to assemble Pinch Lever Assembly before operating.



8. Take Up Arm Assembly(Fig. B-8)

- 1) Remove the Loading Motor Assembly.
- Remove the Dew Bracket, Pinch Gear, and the Take-Up Lever.
- Remove one Washer(A).
- Remove the Take-Up Arm Assembly by lifting it up.
- 5) Remove the spring(B).

- 1) When reassembling
- ① Align the Gear of Take-Up Arm with the Gear of Take-Up Lever(Fig. B-7-1).

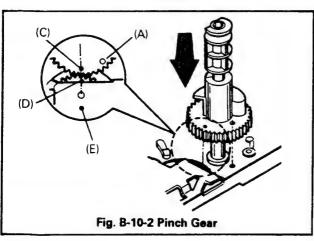


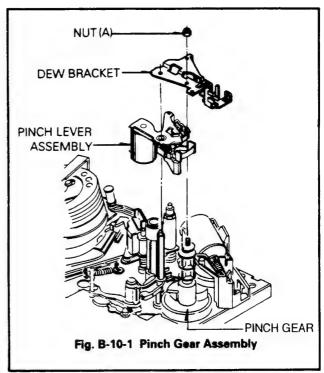
9. P4 Assembly(Fig. B-8)

- 1) Remove the Adjust P4.
- 2) Remove the Sleeve P4.
- 3) Remove the Guide 17.

10. Pinch Gear(Fig. B-10-1, B-10-2)

- 1) Remove the Loading Motor Assembly.
- Remove one Nut(A) and then remove the Dew Bracket (Fig. B-5).
- 3) Remove the Pinch Lever Assembly by lifting it up(Fig. B-5)
- 4) Keep the Pinch Gear turned in the clockwise direction (180°)
- 5) Remove the Take-Up Lever by pushing the hook(A) outward(Fig. B-7).
- 6) Keep the Pinch Gear turned in the counterclockwise direction (180°).
- 7) Remove the Pinch Gear Assembly.





. NOTE

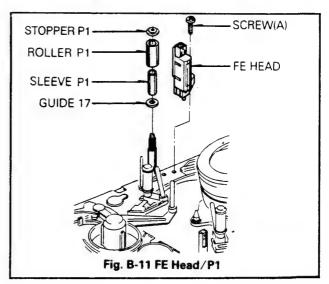
- 1) When reassembling, align the hole(A) of Pinch Gear with the hole of chassis, and the hole(C) of Pinch Gear with the groove(D) of the P.C.Gear. Hole(E) of chassis should be aligned with the hole of P.C.Gear.
- Be sure to replace together Take-Up Lever and Pinch Gear.
- 3) Be sure to assemble Pinch Lever Assembly before operating.

11. FE(Full Erase) Head Assembly(Fig. B-11) (Optional Item)

- 1) Unplug the connector.
- 2) Remove one screw(A), and then remove the FE Head.

NOTE

- 1) When disassembling and reassembling
- ① Do not touch the Video Head Tip with fingers or tools.



12. P1 Assembly(Fig. B-11)

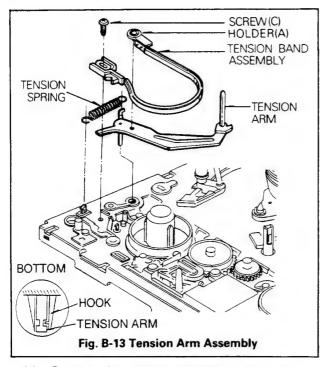
- 1) Remove the Stopper P1.
- 2) Remove the Roller P1.
- 3) Remove the Sleeve P1.
- 4) Remove the Guide 17.

13. Tension Arm Assembly(Fig. B-13)

- 1) Remove one screw(C).
- 2) Remove the Tension Spring.
- Remove the Tension Arm Assembly by pushing hooks outward with the Deck Mechanism Assembly turned over
- 4) Remove the Tension Band Assembly from the Tension Arm by pushing Hooks of Holder(A).

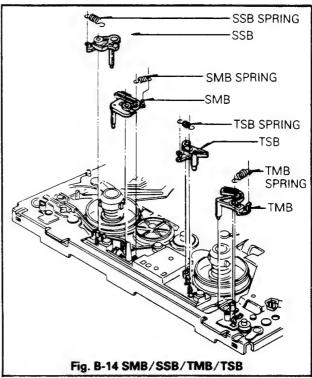
NOTE

 When disasembling and reassembling, give special attention to the disassembling and reassembling of Tension Arm Assembly, because the Tension Band is interposed between the Supply Reel and the Soft Brake.



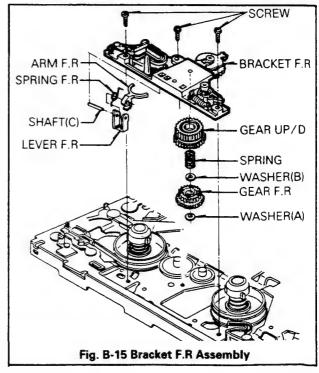
Supply Soft/Supply Main/Take-Up Soft/Take-Up Main Brake Assembly

- 1) Supply Soft Brake(SSB)
 - ① Remove the SSB Spring.
 - ② Remove the SSB.
- 2) Supply Main Brake(SMB)
 - ① Remove the SMB Spring.
 - 2 Remove the SMB.
- 3) Take Up Soft Brake(TSB)
 - ① Remove the TSB Spring.
 - ② Remove the TSB.
- 4) Take-Up Main Brake(TMB)
 - ① Remove the TMB Spring.
 - ② Remove the TMB.



Bracket F/R(FF/Rewind) Assembly (Fig. B-15)

- 1) Remove the TMB.
- 2) Remove the Washer(A), and then remove the Gear F.R.
- Remove three screws, and then remove Bracket F/R Assembly from the Deck Mechanism Assembly.
- 4) Remove the Washer(B), and spring Up/D, and then remove the Gear Up/D.
- 5) Remove the shaft(C), and then remove the Arm F.R, Lever F.R and Spring F.R.



16. Supply Reel Assembly(Fig. B-16)

- 1) Remove the Tension Band Assembly.
- 2) Remove the Bracket F/R.
- Lift up the Supply Reel Assembly from the Deck Mechanism Assembly.

17. Take Up Reel Assembly(Fig. B-16)

- 1) Remove the TMB(Fig. B-14)
- 2) Lift up the Take-up Reel Assembly from the Deck Mechanism Assembly.

* NOTE

- 1) When reassembling
- ① Make sure that the Supply and Take Up Reel are not exchanged.
- ② After reinstalling the Supply Reel Assembly, Adjust the Tension.

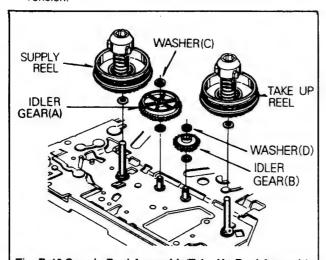


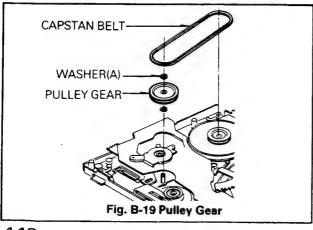
Fig. B-16 Supply Reel Assembly/Take-Up Reel Assembly

18. Idler Gear(A), (B)(Fig. B-16)

- After removing the Supply Reel and supply Main Brake Assembly, remove the washer(C) and then remove the idler Gear(A).
- 2) Remove the Washer(D) and remove the Idler Gear(B).

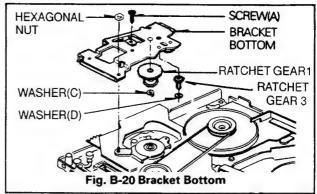
19. Pulley Gear Assembly (Fig. B-19)

- Turn over the Deck Mechanism Assembly.
- 2) Remove the Capstan Belt.
- 3) Remove the Washer(A) and lift up the Pulley Gear.



20. Bracket Bottom Assembly (Fig. B-20)

- 1) Remove one screw(A).
- 2) Remove one Hexagonal Nut, and then lift up the Bracket Bottom Assembly.
- 3) Remove one Washer(C), and lift up the Ratchet Gear 1.
- 4) Remove the washer(D), and then remove Ratchet Gear 3 from the Bracket Bottom.

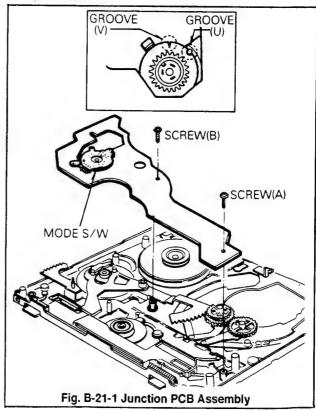


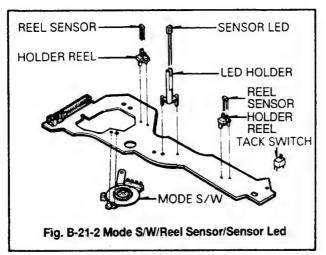
21. Junction PCB(Printed Circuit Board) Assembly(Fig. B-21-1)

- 1) Remove the Bracket Bottom Assembly.
- 2) Remove two screws(A), (B) and then remove the Junction P.C.B Assembly.
- Remove the Mode Switch from the Junction P.C.B Assembly.
- Remove the Reel Sensor, Sensor LEDS and each holder from the Junction P.C.B(Fig. B-21-2).

* NOTE

 When reassembling the Mode Switch, the groove(V) and (U) of Mode Switch should be at their original place in the Eiect Mode.



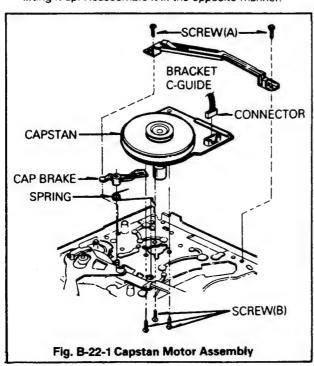


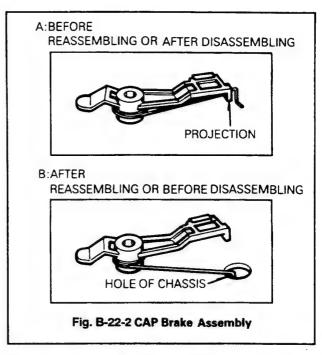
22. Capstan Motor and Brake Assembly (Fig. B-22-1)

- 1) Remove the Junction P.C.B Assembly
- 2) Hook the end of Capstan Brake Spring to the projection of Capstan Brake and then remove the Capstan Brake Assembly by lifting it up (Fig. B-22-2).
- 3) Remove two Screws(A), and then remove the Bracket C-Guide.
- 4) Remove the Connector.
- 5) Remove three screws(B), and then remove the Capstan Motor Assembly from the Deck Mechanism Assembly.

* NOTE

 When disassembling and reassembling, hook end of the spring on the projection of Cap-Brake and remove it by lifting it up. Reassemble it in the opposite manner.



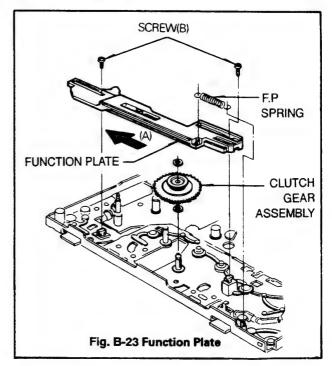


23. Function Plate(Fig. B-23)

- 1) Remove two screws(B) in Eject Mode.
- 2) Remove the Function Plate Spring.
- Push the Function Plate in the direction of arrow(A) and then lift it up.

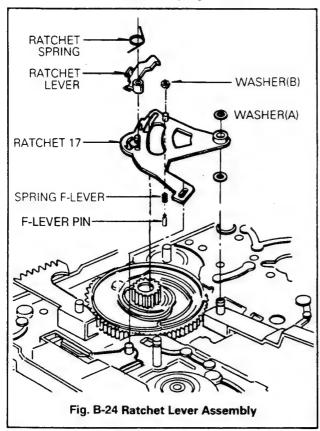
* NOTE

 When reassembling, the groove of Lower part of Function Plate should be aligned with the shaft of Tension Lever Assembly (Fig. B-29).



24. Ratchet Lever Assembly(Fig. B-24)

- 1) Remove the Function Plate.
- 2) Remove the Junction P.C.B Assembly.
- Remove the Washer(A) and then remove the Ratchet Lever Assembly.
- 4) Remove the Ratchet Spring.
- 5) Remove the Ratchet Lever from the Ratchet 17 by lifting it up when the hook of it is aligned with the hole of Ratchet 17 while rotating it counterclockwise direction.
- 6) Remove the Washer(B), and turn over the Ratchet 17 and then remove the F-Lever Pin, Spring F-Lever.

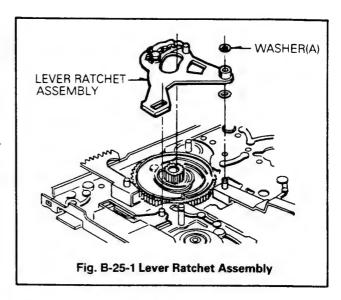


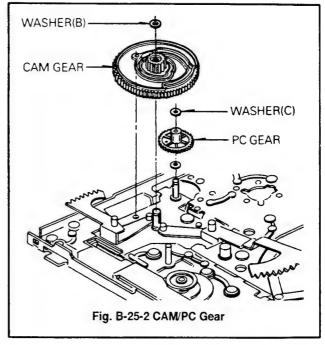
25. Cam Gear/Rack Gear T/Rack Gear FL (Fig. B-25-2)

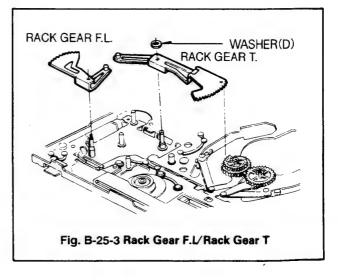
- Remove the washer(A) and remove the Ratchet Lever Assembly. (Fig. B-25-1).
- Remove the washer(B), and then remove the Cam Gear (Fig. B-25-2).
- 3) Remove the Rack Gear F.L. (Fig B-25-3).
- 4) Remove the Washer(D).(Fig. B-25-3).
- 5) Remove the Rack Gear T.(Fig. B-25-3).

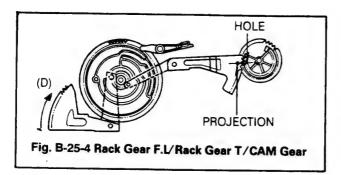
NOTE

- 1) When reassembling
- Align the Projection of Rack Gear T with the hole of Loading Gear.
- ② Drive the Rack Gear F.L in the direction of arrow(D).
- ③ Hole of Cam should be aligned with the hole of chassis, and the groove(■) of Cam Gear should be aligned with the hole of PC Gear (Fig. B-26).







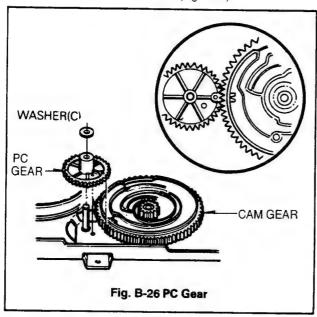


26. PC Gear(Fig. B-26)

- 1) Remove the washer(C).
- 2) Remove the P.C Gear by lifting it up.

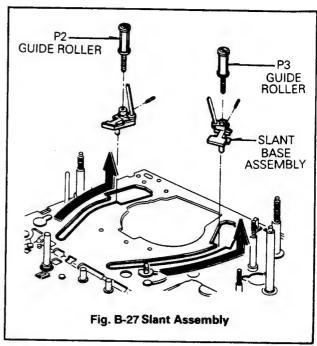
* NOTE

- 1) When reassembling
- The Groove of PC Gear should be aligned with the groove(V) of Cam Gear, and another hole of it should be aligned with the hole of chassis (Fig. 8-26).



27. P2 and P3 Slant Assembly (Fig. B-27)

- After finishing the disassembly of Drum Assembly, remove the P2 and P3 Slant Assembly by turning the Loading Gear(R) in the clockwise direction. (Loading direction)
- 2) Loosen the set screws.
- 3) Remove the Roller Guide from the Slant Base.



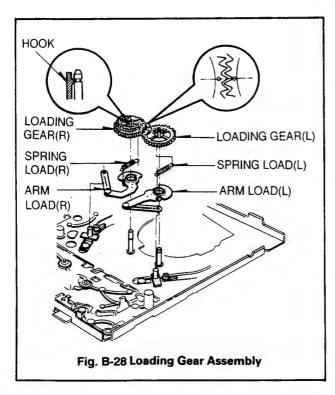
* NOTE

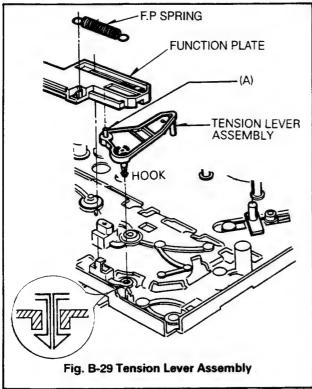
- 1) When disassembling and reassembling
- ① Use a Hexagonal wrench to remove set screw.
- ② Take notice that the P2 and P3 Slant Assembly should not be changed from their original place.

28. Loading Gear Assembly(L),(R) (Fig. B-28)

- 1) Remove the Cam Gear, Rack-T.
- 2) Remove the P2 and P3 Slant Assembly by turning the Loading Gear(L),(R) in the Loading direction
- Lift up the Loading Gear Assembly(L),(R) from the Deck Mechanism Assembly.
- 4) Remove the Spring Load(L),(R).
- 5) Separate the Loading Gear(L), (R) from Arm Load(L), (R).

- 1) When reassembling
- ① Make sure that the Loading Gear(L) and (R) should not be changed from their original place.
- ② Align the groove of Loading Gear(L),(O) with the groove of Gear(R),(O).





29. Tension Lever Assembly (Fig. B-29)

- 1) Remove the Function Plate.
- Remove the Tension Lever Assembly by pushing hooks inward.

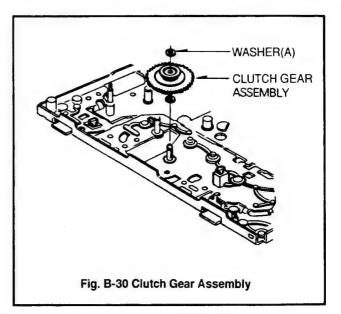
* NOTE

- 1) When reassembling
- Set the part(A) of Tension Lever Assembly in the groove of Lower part of Function Plate.

30. Clutch Gear Assembly (Fig. B-30)

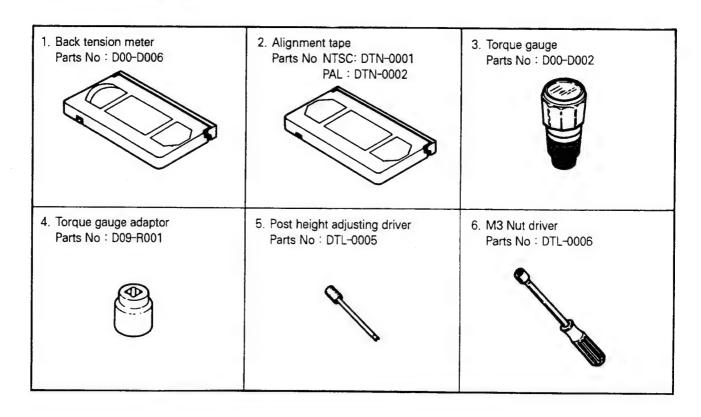
- 1) Remove the Pulley Gear.
- 2) Remove the Plate Function.
- 3) Remove the washer(A), and then remove the Clutch Gear Assembly.

- 1) When reassembling
- ① Do not disassemble the Clutch Gear Assembly any futher, because Torque adjustment is not adjustible.



MECHANISM ADJUSTMENTS

• Tools and Fixtures for Deck



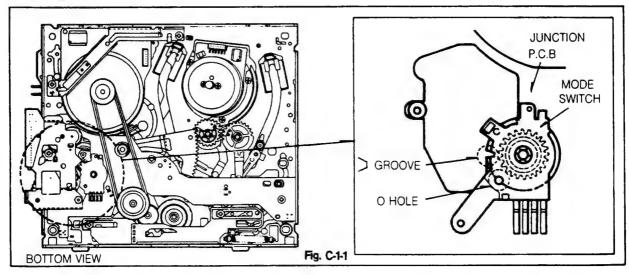
1. Mechanism State Switch (Mode Switch) Check

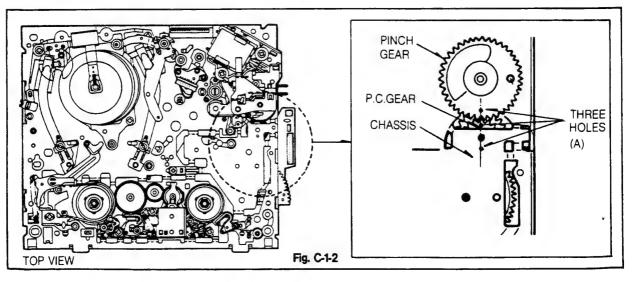
Purpose: To detect accurately the mec	hanism state and prevent the mechanism	from malfunction.
Test Equipment/Fixture	VCR State	Check Point
●Blank tape	● Eject Mode (with cassette ejected)	 Mechanism state switch (Mode Switch and Cam)

Check Procedure

- Turn the VCR on and eject the tape by pressing eject button.
- Remove the Cabinet Top, the Main P.C.Board and the CST Housing. Then push the CST IN/OUT switch (Loca. #137) and eject button at the same time.
- 3) Turn the worm (Loca. #082) of Loading Motor Assembly (Loca. #A10) to the left side (counterclockwise) to align the three holes (A) of the Pinch Gear, the P.C.Gear and the Chassis.
- 4) Remove the Bottom Cover and then check that the groove (V) and the hole (O) of Mode S/W are aligned each other. If the above alignment is not obtained, adjust as follows.
 - (1) Remove the Bracket Assembly Bottom and the Capstan Belt in the state of power off.
 - (2) Remove the P.C.B Assembly, align the groove (V) and the hole (O) of Mode S/W each other and then reassemble the P.C.B Assembly.
 - (3) Turn the power on and perform the various operations to check that the loading and the unloading are correct.

Check Diagram





2. Preparation for Adjustment(To set VCR to the loading state without inserting a cassette)

- 1) Unplug the power cord from the AC outlet.
- 2) Remove the Cabinet Top and Front Loading mechanism.
- 3) Plug the power cord into the AC outlet.
- 4) Turn the VCR on and push the tact switch in the PCB Assembly.

The VCR can accept input of each mode in this case. However the rewind and review operation cannot be performed for more than a few seconds because the take-up reel table is in the stop state and reel pulses cannot be detected.

(NOTE)

Always return the VCR to the Front Loading Mechanism Assembling State in the following order after the above operations have been performed.

- 1) Press the Eject button after turning the power on.
- 2) Wait for about 10 seconds until searching out the assembly position.
- 3) Assemble the Front Loading Mechanism and connect the Front Loading Mechanism Connector.
- Refer to the "Front Loading Mechanism Disassembly" which is described previously.

3. Tension Post Position and Tension Adjustment

Purpose: To make the tension of tape constant so that the contact between the video heads and tape is stabilized.

Test Equipment/Fixture	VCR State	Adjustment Point
Tension Meter (Tension adjustment)	Play without cassette and with a Tension Meter	Holder Band(B)

Adjustment Procedures

(Position Adjustment)

- Perform loading without inserting a tape and loosen the screw that attaches the Holder Band(B) to the Deck Mechanism Assembly.
- 2) Insert the (-)type driver between the Holder Band(B) and the "V" groove of the chassis.
- Move the Holder Band(B) right and left and align the center of tension post(Guide T-Post) with the center of P1(Shaft P1).(tolerance:Less than ±0.3mm)
- 4) Tighten the screw that attaches the Holder Band(B) to Deck Mechanism Assembly.

(Tension Adjustment)

- 1) Play the Tension Meter and read the Tension Meter: 38g•cm±4g•cm(reference value).
- 2) If the result is abnormal.
 - over the standard:loosen the screw, move the Holder Band(B) to the right a little and then tighten the screw and make sure that this adjustment is correct.

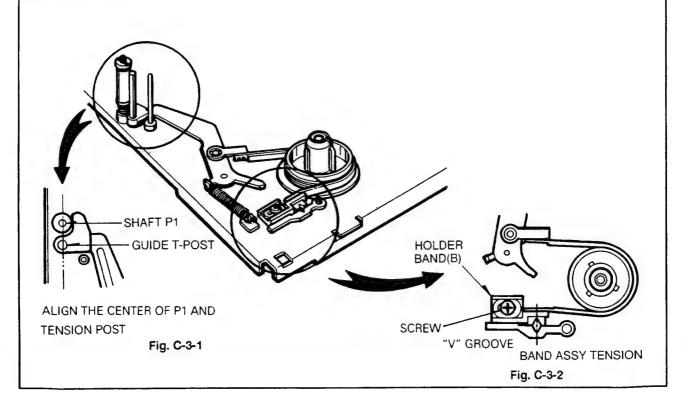
(2) below the standard:loosen the screw, move the Holder Band(B) to the left a little and then tighten the screw and make sure that this adjustment is correct.

CAUTION

The range of movement of Holder Band(B) should be within ± 1.5 mm while being adjusted.

If the range is over, you should recheck the Reel Brake, Tension Arm and Spring.

Adjustment Diagram



4. Checking Torque

Purpose: It is necessary to check the tension, torque and compression force at the tape take-up section and moving section to make the tape run smoothly and satisfy the basic performance of the VCR. Check these if the tape does not run smoothly or the tape speed is abnormal.

Test Equipment/Fixture	VCR state
 Torque Gauge Torque Gauge Adaptor Cassette Torque Meter SRK-VHT-063: Play, Cue SRK-VHT-303: Review 	 Set the VCR to each operation mode without inserting a cassette. (See '2 Preparation for Adjustment')

VCR Operation mode	Measurement Reel	Measurement Values	
Eject	Supply and take-up reels	600g.cm or more	
Unloading(power off)	Supply reel	120~220g·cm	
Fast forward	Take-up reel	600g·cm or more	
Rewind	Supply reel	600g·cm or more	
Play	Take-Up reel	90~150g·cm	
Review	Supply Reel	120~180 g.cm	
Cue	Take-Up Reel	110~170 g.cm	
	mode Eject Unloading(power off) Fast forward Rewind Play Review	Eject Supply and take-up reels Unloading(power off) Supply reel Fast forward Take-up reel Rewind Supply reel Play Take-Up reel Review Supply Reel	

Checking Method

The values are measured by using a torque gauge and torque gauge adaptor with the torque gauge fixed.

Note: This value is measured when the VCR is shifted in the unloading direction from the fast forward or rewind mode and quick braking is applied to both Reel Tables.

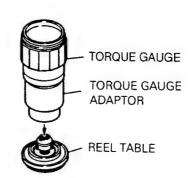


Fig. C-4

5. Guide Roller Height Adjustment

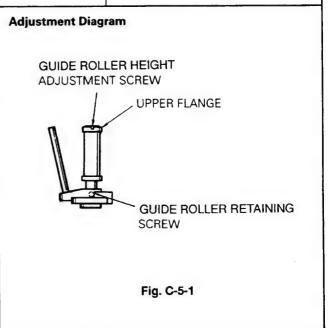
Purpose: To regulate the height of tape so that the bottom of tape runs along the tape guide line on the lower drum.

A. Preliminary Adjustment

Test Equipment/Fixture	VCR State	Adjustment Point
Hexagonal Wrench or Bended Drive (+) Type	Play an alignment tape	 Guide Roller Height Adjustment Screws on the Supply and Take-Up.
Post Height Adjusting Driver		Guide Rollers.

Adjustment Procedure

- 1) Perform the precise adjustment.
- When the Guide Roller is damaged, release the Guide Roller retaining screw and then replace the Guide Roller.



B. Precise Adjustment

Test Equipment/Fixture	Test Equipment Connection Points	VCR State	Adjustment Point
 Oscilloscope Post Height Adjusting Driver Alignment Tape(30HMP-2) Hexagonal wrench 	CH-1:PB RF Envelope CH-2 (NTSC: SW30Hz	● Play an alignment tape	 Guide Roller Height Adjustment Screws.

Adjustment Procedure

- 1) Play an alignment tape after connecting the probe of the oscilloscope to RF Envelope Output Test Point and Head Switching Output Test Point.
- 2) Tracking control(in PB mode): Center position(When this adjustment is performed after the drum assembly has been replaced, set the tracking control so that the RF output is maximum.)
- 3) Height adjustment screw: Flatten the RF waveform.
- 4) Turn(Move) the tracking control(playback) clockwise and counterclockwise.(to the right and left)
- 5) Check that any drop of RF output is uniform at the start and end of the waveform.

CAUTION

Connection Diagram

If the adjustment is excessive or insufficient the tape is jammed or folded.

Waveform Diagrams

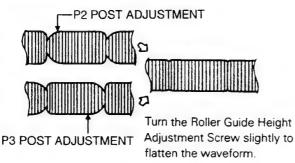
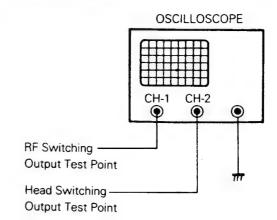


Fig. C-5-2



Tracking control at center Turn(Move) the tracking control to both directions.

Fig. C-5-3



6. Audio/Control(A/C) Head Adjustment

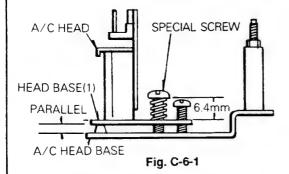
Purpose: To keep the contact between the tape and head so that the specificed track is recorded and played back.

A. Preliminary Adjustment (Perform the preliminary adjustment, when there is no Audio Output signal with alignment tape.)

Test Equipment/Fixture	VCR State	Adjustment Points
● M3 Nut Driver		Special screwCone Point Screw for tiltAzimuth AdjustmentScrew
Blank tape	Run the blank tape	● A/C Head Adjuster

Adjustment procedure/Adjustment Diagram

 Tighten the special screw so that the spring section protrudes 6.4mm(approx.) over the top of Head Base (1).



 Turn the Azimuth Adjustment Screw and Cone Point Screw so that the Head Base(1) and A/C Head Base are parallel.

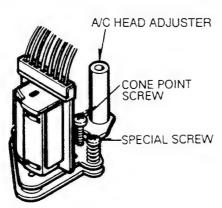
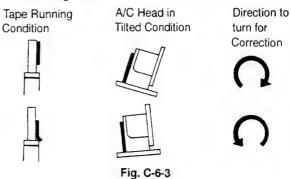


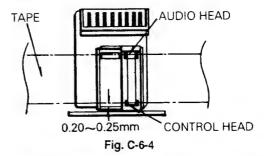
Fig. C-6-2

 Load a blank tape and set the VCR to the play mode.

- Confirm that the tape runs fittingly to the lower limit of the P4 post. Also confirm that the tape runs smoothly.
- 5) If adjustment is required, turn Cone Point Screw clockwise until curling is apparent at the lower edge of P4. Then turn Cone Point Screw counterclockwise until the curling smooths out.



6) Check that there is no conspicuous curling and folding around the A/C head. If there is conspicuous curling or folding, readjust the Cone Point Screw, Azimuth Adjustment Screw and A/C Head Adjuster. When the bottom edge of tape is 0.20~0.25mm from the bottom edge of the control head's core, the height of A/C head is ideal.

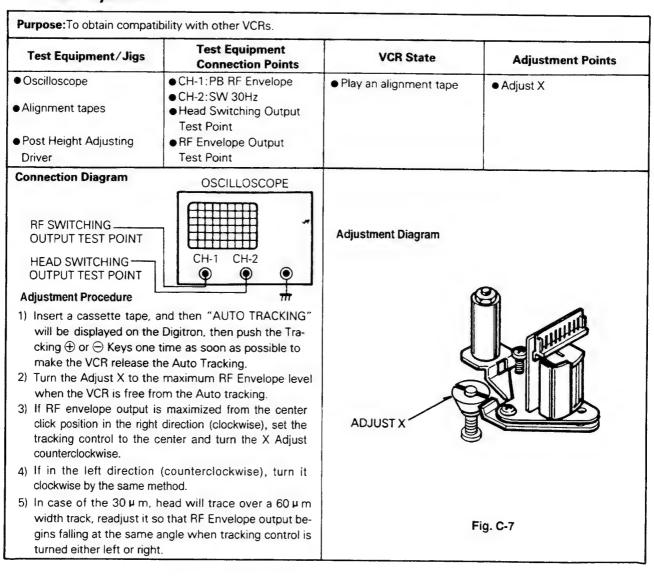


7) If necessary repeat steps 1 through 4 until a precise adjustment is achieved.

B. Precise Adjustment

Test Equipment/Fixture	Test Equipment Connection Point	VCR State	Adjustment Points
OscilloscopeAlignment tapesM3 Nut Driver	◆Audio output jack	● Play an alignment tape 1KHz, 7KHz sections	 Azimuth Adjustment Screw A/C Head adjuster Cone point screw
jack. 2) Adjust the Azimuth Adjuster and cone point so that an Audio 1KHz cominimum fluctuation). 3) Adjust the Azimuth Adjust	crew slightly and alternately butput is maximum and flat.	Waveform Diagram A:Maximum	BB': Minimum
		Fig. (C-6-5

7. X-Value Adjustment



8. Adjustment after Replacing Drum Assembly(Video Heads)

Test Equipment/Fixture	Test Equipment Connection Points	VCR State	Adjustment Points
 Oscilloscope Post Height Adjusting Driver Alignment tape Blank tape M3 Nut Driver 	Checking the flatness CH-1:PB RF Envelope CH-2 (NTSC: SW30Hz PAL: SW25Hz Head Switching Output Point RF Envelope Output Point	● Run the blank tape ● Play an alignment tape	 Guide Rollers Precise Adjustment Switching point Tracking point X-Value
Connection Diagram		Waveform Diagram	
RF SWITCHING ————————————————————————————————————	OSCILLOSCOPE	V ₁	
Checking/Adjustment Procedure 1) Run the blank tape, check and adjust whether the Roller Guide is curling or creasing tape around the Roller Guide.		V₁/V MAX V₂/V MAX RF ENVELC	
Check the RF envelope Roller Guide Height whi	output flatness and adjust the le playing an alignment tape.		
3) Adjust the head switchin4) Check that RF envelope tracking is at the initial po	output is maximum when the		
Adjust the Tracking Preset and X-Value Adjust with X		F	ig. C-8

9. Check of Tape Travel after reassembling Deck Assembly

9-1. Check Audio and RF Locking Time during playback after CUE or REV.

Test Equipment/Fixture	Specification	Test Equipment Connection Point	VCR State
Oscilloscope Alignment tape (with 6H 3kHz Color Bar Signal) Stop Watch	RF Locking Time: Less than 5 sec. Audio Locking Time: Less than 10 sec.	 CH-1: PB RF Envelope CH-2: Audio Output RF Envelope Output Point Audio Output Jack 	Play an alignment tape (with 6H 3kHz Color Bar Signal)

- 1) Change the mode of CUE or REV to play.
- 2) At this time, confirm that the Locking Time of Audio and RF Output Waveform fits to specification.
- 3) If the results checked above are abnormal, reapeat adjustments 4 through 8.

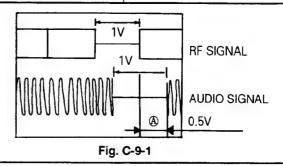
* 6H:LP

9-2. Check the coincidence of both Audio and Video Sync.(Lip Sync.)

Test Equipment/Fixture	Specification	Test Equipment Connection Point	VCR State
 Oscilloscope 2H 9V Tape(for X-Value Adjustment Coincidence) or alignment tape 	◆Less than ±0.5V	CH-1: PB RF Envelope CH-2: Audio Output RF Envelope Output Point Audio Output Jack	● Play a 2H 9V tape or an alignment tape.

Checking Procedure

- 1) Confirm that the period \triangle of Fig. C-9-1 is within ± 0.5 V.
- If the result is abnormal, repeat adjustment #7. (X-Value adjustment).



* 2H : SP, V : Vertical

9-3. Check the occurance of tape curl and jam

Test Equipment/Fixture	Specification	VCR State
● T-160 Tape ● T-120 Tape	 Be sure there is no jam or curl at the beginning, the middle period or the end of the T-160 tape. 	 Run the CUE, REV play mode at the beginning and the end of the tape.

Checking Procedure

- Confirm whether the state of each transportation post is normal.
- 2) Make sure nothing is wrong with the operation of the Counter, when the lower part of tape is folded.
- 3) Be sure there is nothing wrong in the Audio signal, when the upper part of tape is folded.
- 4) If the result is abnormal, repeat adjustment #5 and #6.

9-4. Check the adjustment state of Take-Up Guide

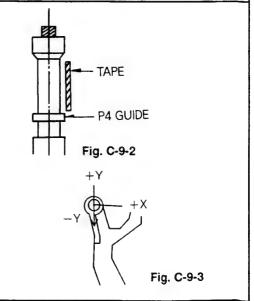
Test Equipment/Fixture	Specification
T-120 Tape Take-Up Guide Adjusting Driver	 Review: Travel the tape that align the top of the P4 Guide and the bottom of the Tape or be folded. Play: Travel the tape that align the top of the P4 Guide and the bottom of the Tape.

Checking Procedure

- 1) Run the CUE or PLAY mode at the middle period or the end of the T-120 tape.
- 2) Run the REV mode at the play or cue part of tape.
- At this time, confirm that the change of tape height at the P4 Guide fits to specification.
- 4) If the result is abnormal, refer to Table 9-1.
- 5) Play the beginning of T-120 tape(within 5 min.)
- Confirm that the state of tape transportation fit to specification in P4 Guide.
- Remove the Tension Arm Assembly by rotating in the clockwise direction and then confirm that the state of tape transportation fit to specification.
- 8) If the result is abnormal, refer to Table 9-1.

PLAY Mode	REV Mode	Adjustment Method
Tape Falling	Tape Lift	Bend the shaft of the direction +Y.
Tape Lift	Tape Falling	Bend the shaft of the direction -Y.

Table 9-1



10. Maintenance/Inspection Procedure

(1) Required Maintenance

The recording density of a VCR is much higher than that of an audio tape recorder. VCR components must be very precise, at tolerances of 1/1000mm, to ensure compatibility with other VCRs. If any of these components are worn or dirty, the symptoms will be the same as if the part is defective. To ensure good picture, periodic inspection and maintenance, including replacement of worn out parts and lubrication, are necessary.

(2) Scheduled Maintenance

Schedules for maintenance and inspection are not fixed because they vary greatly according to the way in which the customer uses the VCR, and the environment in which the VCR is used.

But, in general home use, a good picture will be maintained if the inspection and maintenance is made every 1,000hours. The table below shows the relation between time used and inspection period.

Table 1

When inspection is necessary Average hours used per day	About year		bout 18 months	About 3 years
One hour	//////	////	/////	
Two hours	/////			
Three hours	/////			-

(3) Check before starting repairs

The following faults can be remedied by cleaning and oiling. Check the needed lubrication and the conditions of cleanliness in the unit.

Check with the customer to find out how often the unit is used, and then determine that the unit is ready for in spection and maintenance. Check the following parts.

Table 2

	T T T T T T T T T T T T T T T T T T T
Phenomenon	Inspection
Poor S/N, no color	Dirt on video head or
	worn video head
Tape does not run or tape	Dirt on pressure roller, belt
is slack	or flywheel belt
Vertical jitter, horizontal	Dirt on video head or in
jitter	tape transport system
Color beats	Dirt on full-erase head
Low volume or sound	Dirt on audio/control head
distorted	
Fast forward or rewind is	Dirt on belt
not done or rotation is	
slow	

(4) Supplies Required for Inspection and Maintenance

- (1) Greases Kanto G-31(or equivalent)
- (2) Alcohol(Isopropyl Alcohol)
- (3) Cleaning Patches

5) Maintenance Procedure

5-1) Cleaning

(1) Cleaning video head

First use a cleaning tape. If dirt on head is too stubborn to remove by tape, use the cleaning patch. Coat the cleaning patch with alcohol(Isopropyl Alcohol) to the point indicated. Touch the cleaning patch to the head tip and gently turn the head(rotating cylinder) right and left.

(Do not move the cleaning patch vertically and make sure that only the buckskin on the cleaning patch comes into contact with the head. Otherwise, the head may be damaged.)

Thoroughly dry the head. Then run test tape. If alcohol (Isopropyl Alcohol) remains on the video head, the tape may be damaged when it comes into contact with the head surface.

(2) Clean the tape transport system and drive system, etc, by wiping with a cleaning patch wetted with alcohol (Isopropyl Alcohol).

Note:

- ① It is the tape transport system which comes into contact with the running tape. The drive system consists of those parts which move the tape.
- ② Make sure that during cleaning you do not touch the tape transport system with the tip of a screw driver and no force is applied to the system that would cause deforming.

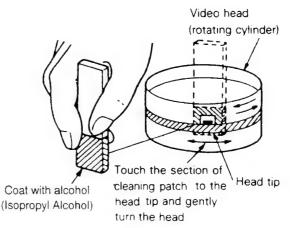


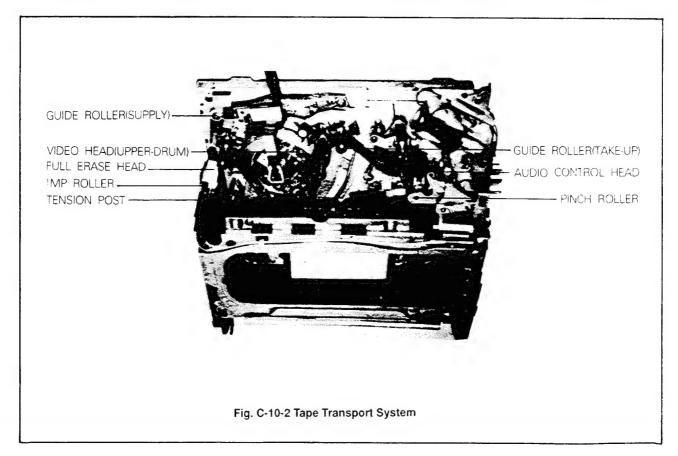
Fig. C-10-1

5-2) Greasing

(1) Greasing guidelines

Apply grease, with a cleaning patch. Do not use excess grease. It may come into contact with the tape transport of drive system. Wipe any excess and clean with cleaning patch wetted in alcohol(Isopropyl Alcohol).

(2) Periodic greasing
Grease specified locations every 5,000hours.



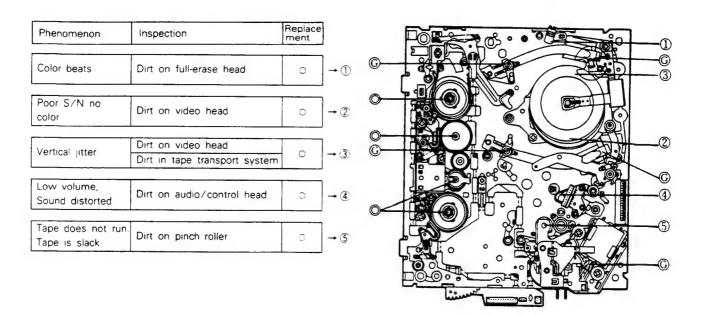


Fig. A-11 Top View of Mechanism

Phenomenon	Inspection Location	Replace ment	©~	
Do not fast forward or rewind, or rotation is slow Tape does not run Slack tape	Dirt on reel belt	○ → ⑤	©-	- ©
			©-	

Fig. A-12 Bottom View of Mechanism

Note: If locations marked with O do not operate normally after cleaning, check for wear and replace.

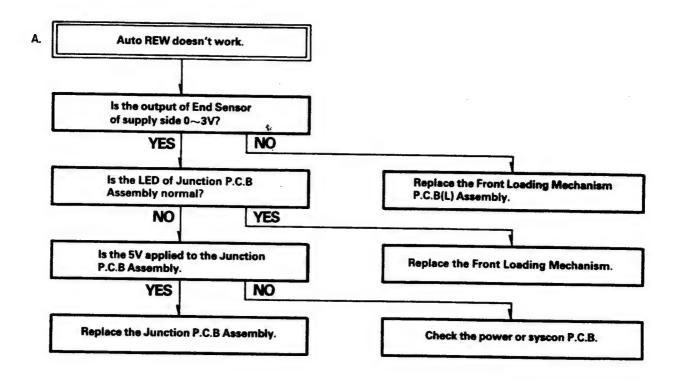
See the EXPLODED VIEWS at the end of this manual as well as the above illustrations for the sections to be lubricated and greased.

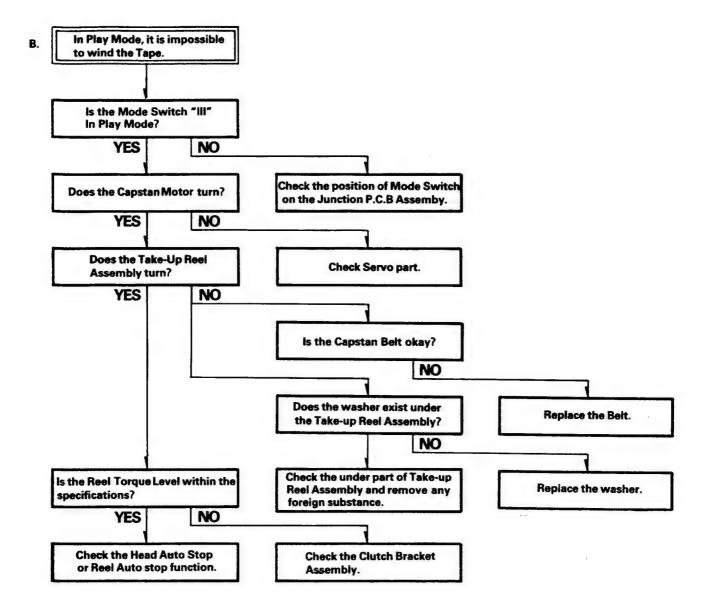
@:Grease

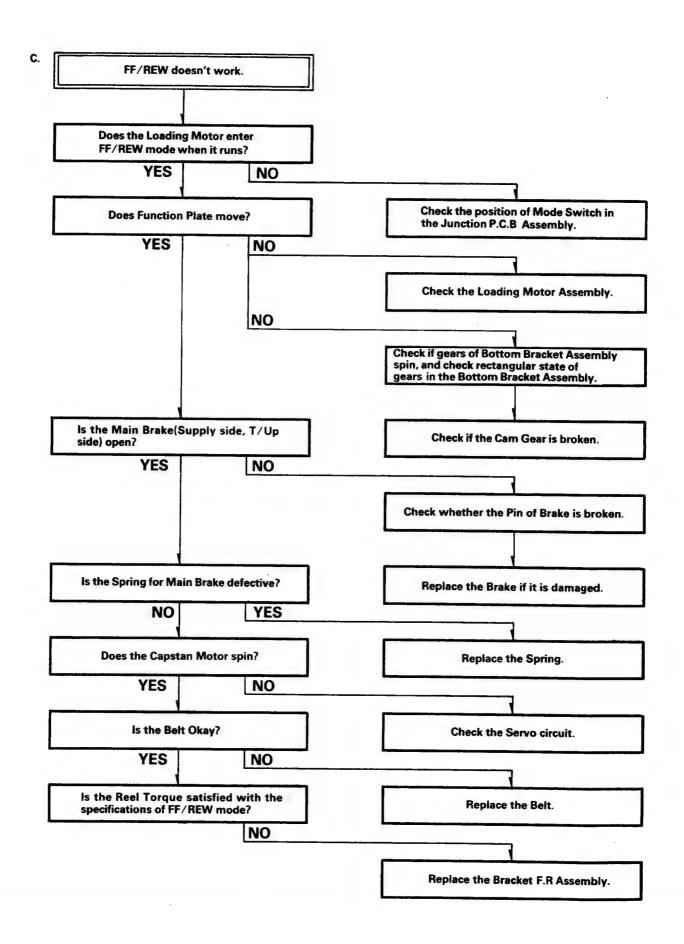
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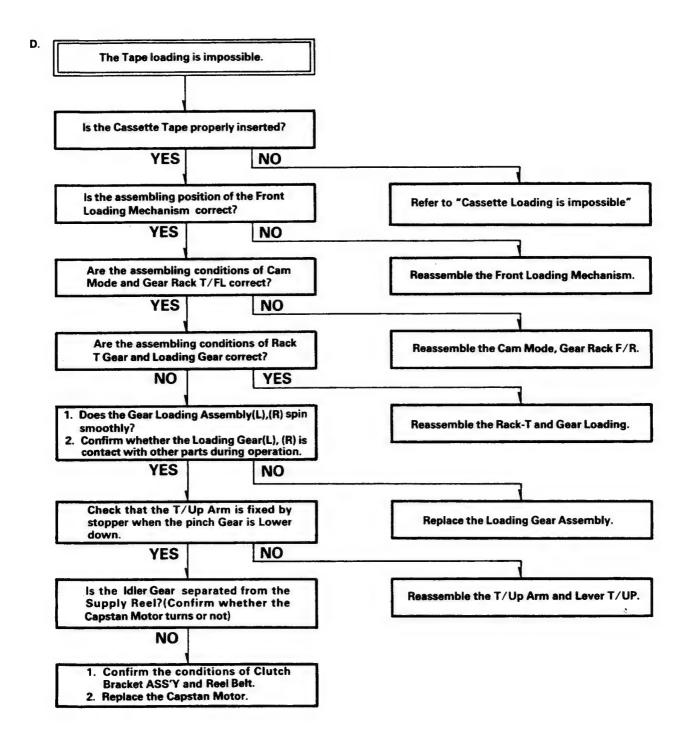
MECHANISM TROUBLESHOOTING GUIDE

1. Deck Mechanism

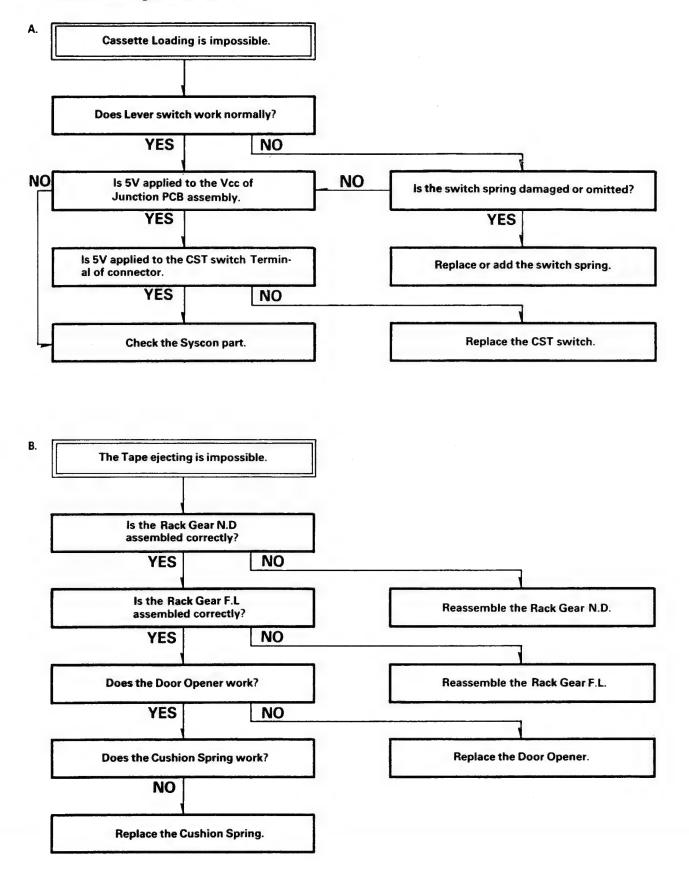


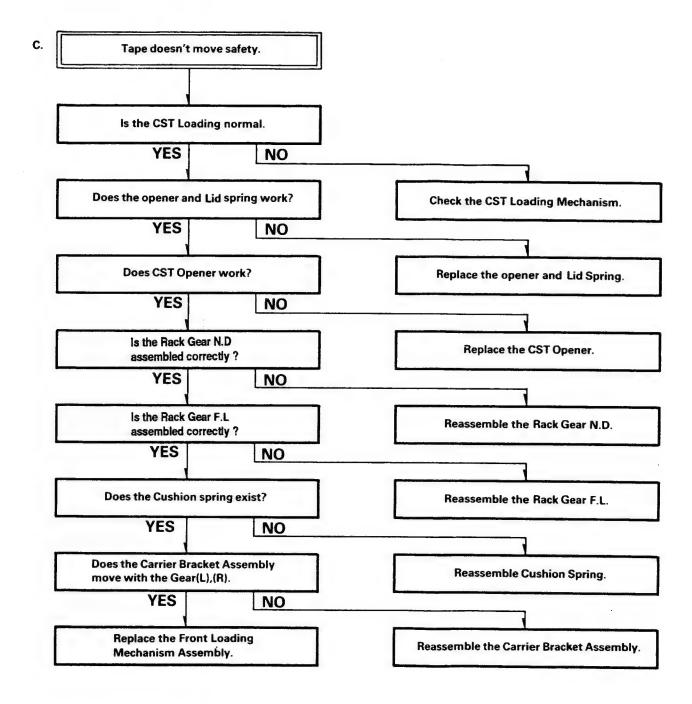






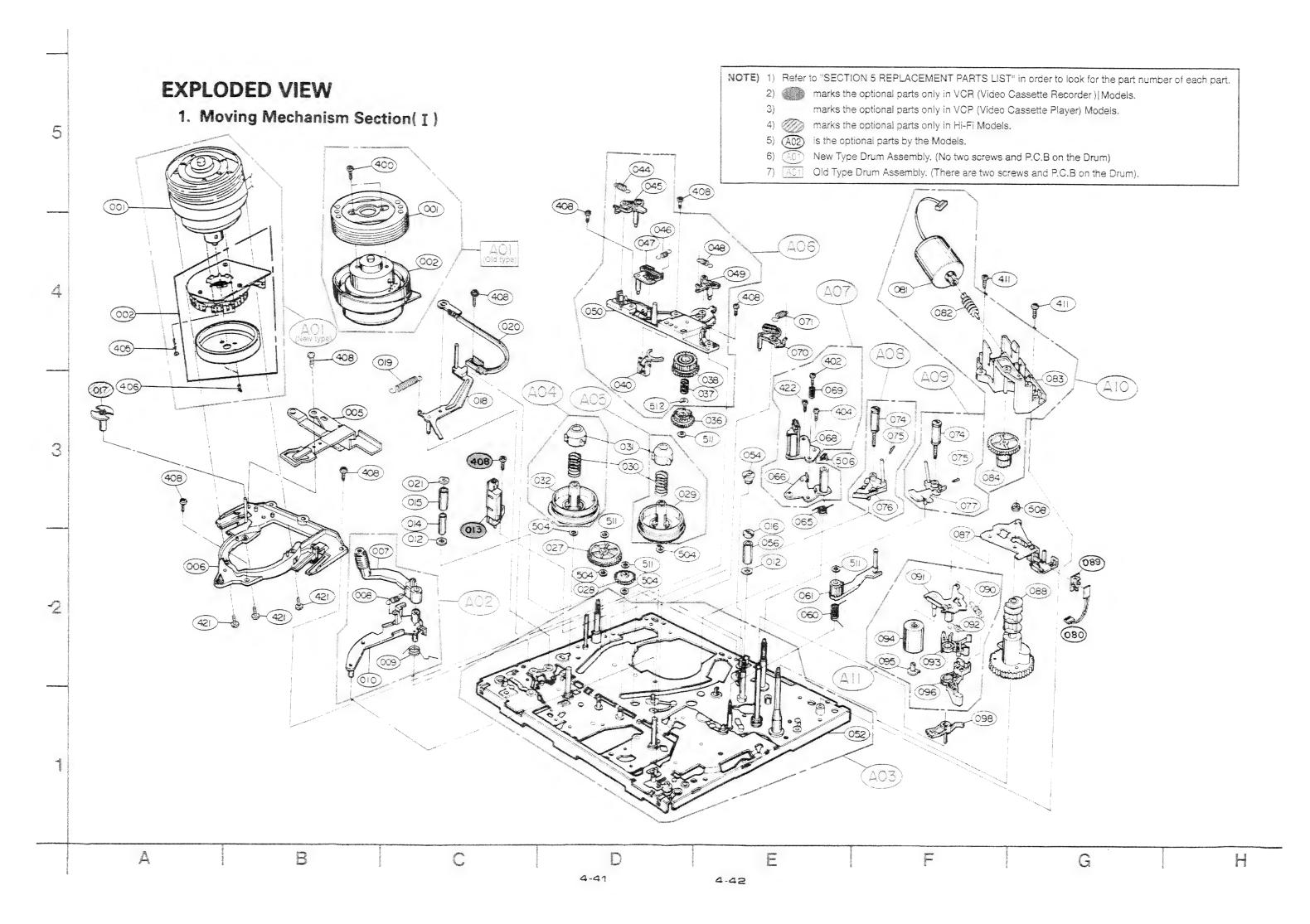
2. Front Loading Mechanism

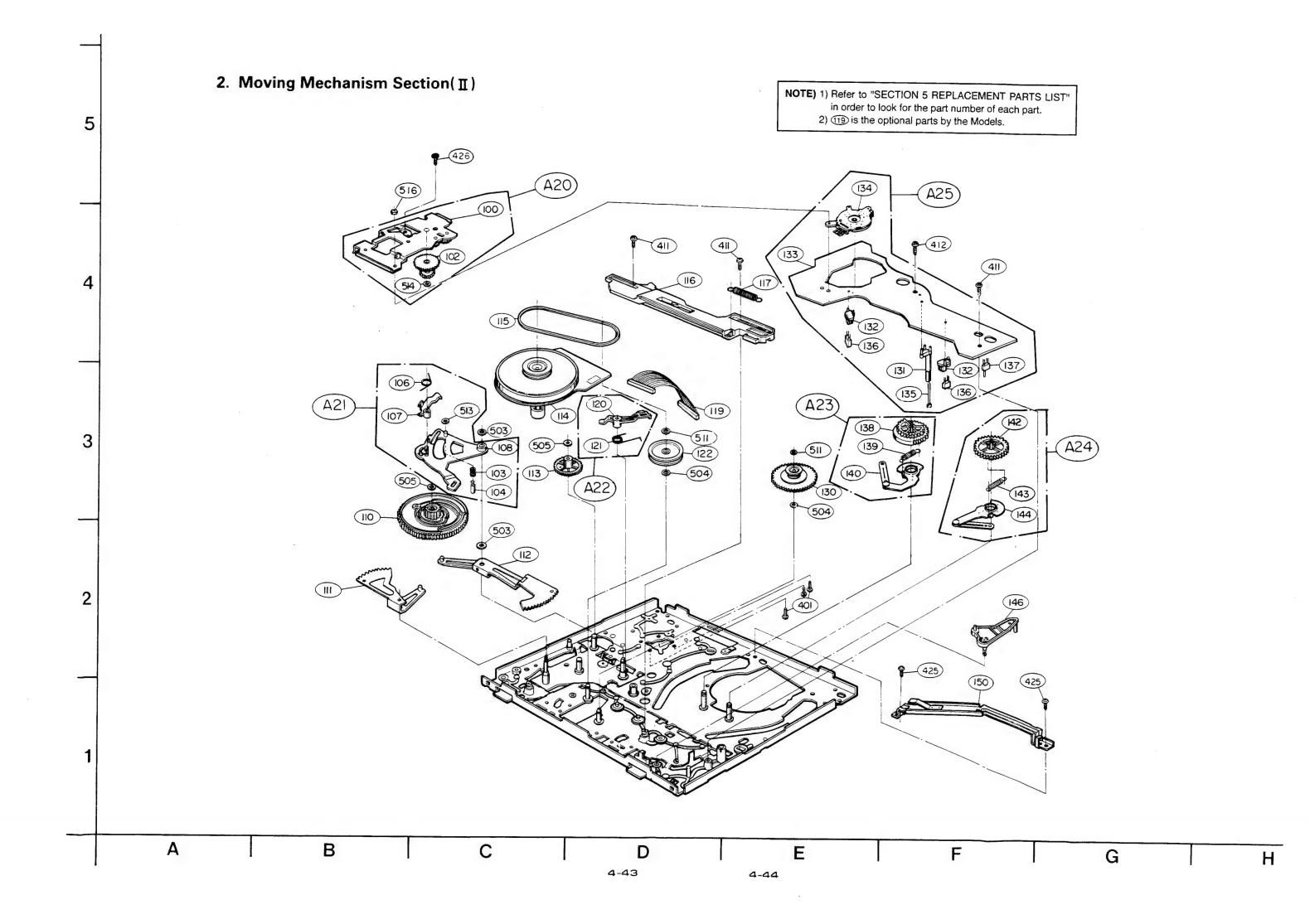


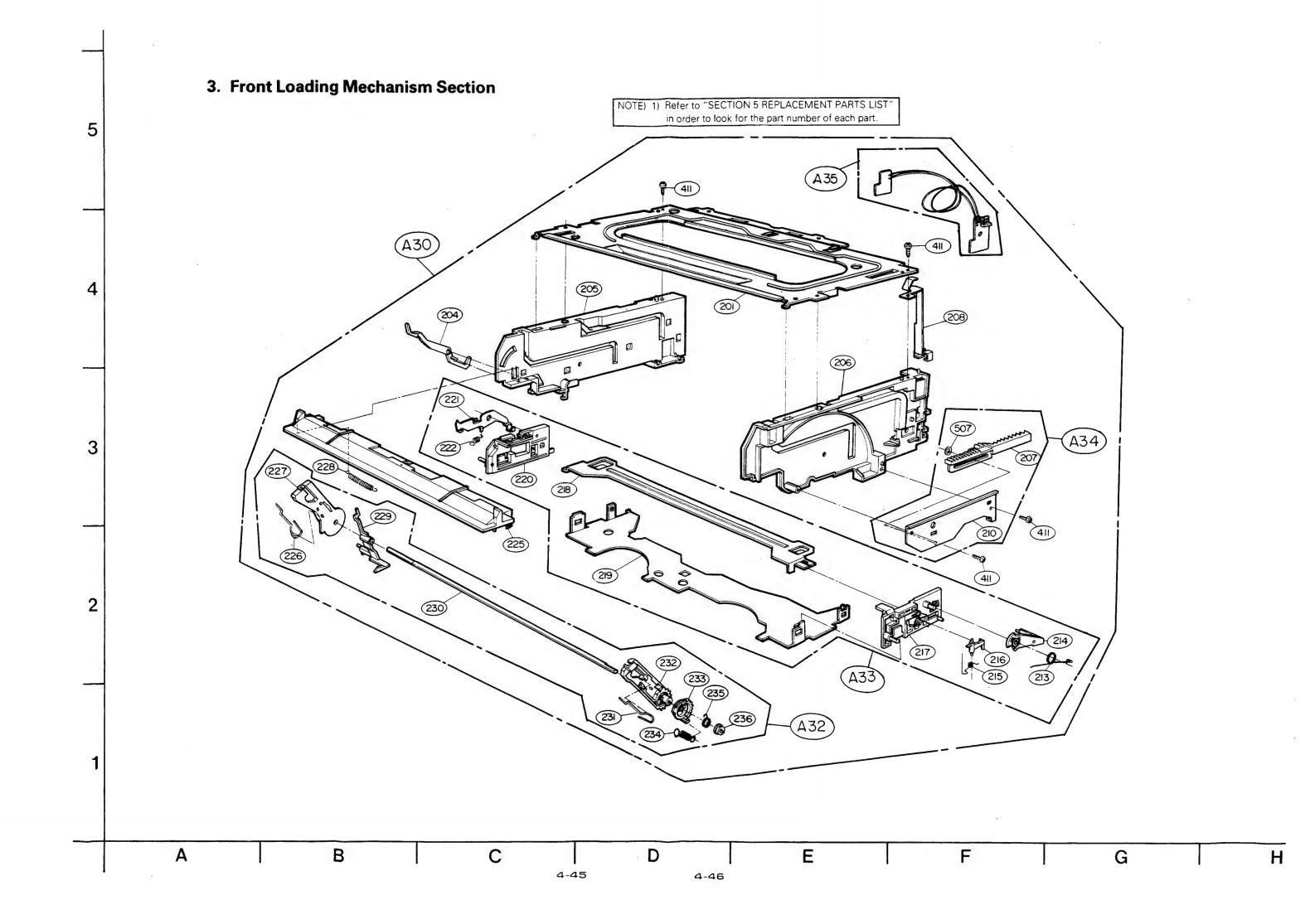


4-40

4-39







SECTION 4-2. 8 mm DECK MECHANISM

PERIODICAL CHECK AND MAINTENANCE

For the normal operation and the protection of Tape, the periodical checking and maintaining is required like the unit.

Perform the following steps after the adjustment without the used time.

1. ROTARY DRUM ASSEMBLY CLEANING

Stick the smooth swab moistened with the cleaning water fast to the rotary Drum Slightly, and then rotate the Rotary Upper Drum with a finger to the counter-clockwise slowly.

NOTE:

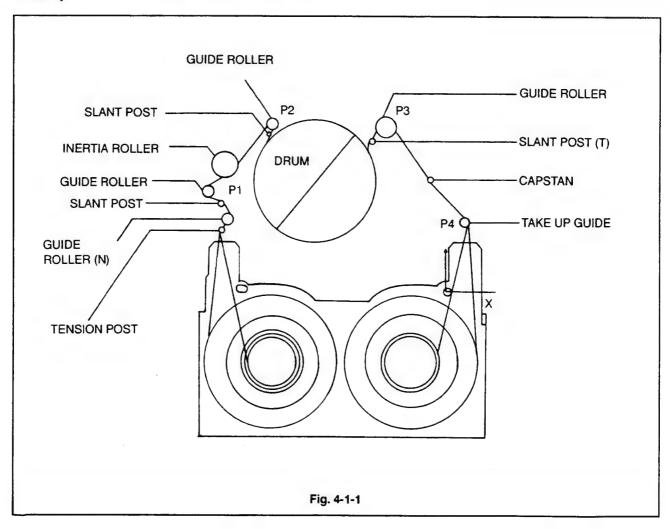
Be careful so the Motor is not to rotate the Drum and not to rotate to the clockwise. Do not use the swab moistened with the cleaning water to the Head Vertically.

2. TAPE LOADING COURSE CLEANING

Set the Cassette Compartment to the Eject State or remove it, and then wipe the Tape loading Course (No. 1 Guide~No. 7 Guide Capstan Shaft, Pinch Roller) with the Chamois Leather Moistened in cleaning water.

3. DRIVE SYSTEM CLEANING

Wipe the Drive System (Timing Belt, Surface of Reel Table etc.) with the Chamois Leather moistened in cleaning water.



4. MAINTENANCE TIME TABLE

○ Cleaning @Oiling ☆ Checking

Check Parts		Time (Hours) (H)								Remarks		
		500	1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	Tiemaiks
Cleaning and Demag- netizing	Tape path surfaces Cleaning	0	0	0	0	0	0	0	0	0	0	Be careful about oil
	Rotary drum assembly Cleaning and demagnetizing	0	0	0	0	0	0	0	0	0	0	Be careful about oil
	Relay belt	_	☆	_	☆	1	☆	_	☆	_	☆	
Drive System	Capstan shaft	_	0	-	0	_	0	_	0	_	0	Be careful about that the Oil do not drop on the surface of Tape Path
	Idler pulley axle	_	0	_	0	-	0	-	0	+	0	
4	Loading Motor	_	☆	_	☆	_	☆	_	☆	-	☆	
	Abnormal noise	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	
Perfor- mance Check	Brake tension Measurement	_	☆	_	☆	-	☆	-	☆	-	☆	
	Brake system	_	☆	_	☆	_	☆	-	☆	_	☆	
	FWD, RVS torque Measurement	_	☆	-	☆		☆	_	☆	_	☆	

NOTE:

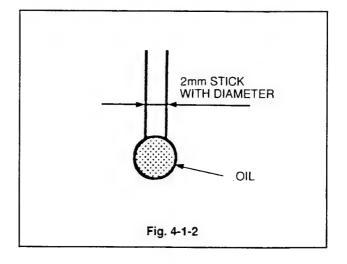
During checking the Unit, refer the Time Table above for the parts change etc.

Oiling:

- Use the regular Oil always.
 (If the unregular oil is used, the Unit may get demaged.)
- Apply the clean oil on the position used the shaft bearing.
- "Oil 1 drop" means the quantity of degree hanged to the end of 2mm Stick with diameter. (Refer to Fig. 4-1-2)

Grease:

• Use the regular Grease.

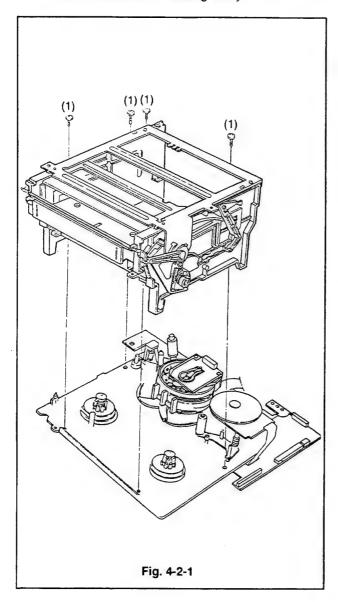


DECK MECHANISM DISASSEMBLY AND REASSEMBLY

1. Front Loading Mechanism

1-1. Housing Ass'y Disassembly

- 1) Disassembly (Fig. 4-2-1)
 - (1) Set the unit to the ULC Mode (Unloading Mode).
 - (2) Remove 4 Screw(1) on the upper part and then remove the Housing Ass'y CST.



2. DC MOTOR (Capstan motor) ASS'Y

2-1. Disassembly (Fig. 4-2-2)

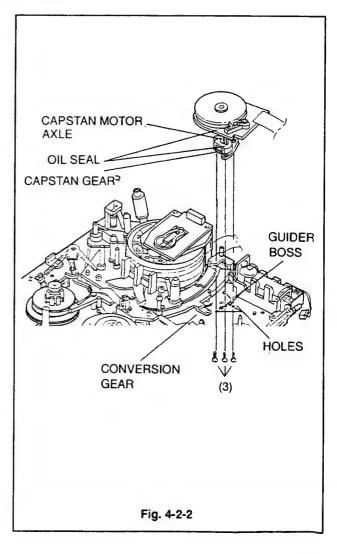
(1) Set the Unit on the ULC Mode (Unloading).

(2) Remove the DC Motor Ass'y by releasing 3 Screws(3) on the lower part of the Chassis.

2-2. Reassembly (Fig. 4-2-2)

- (1) Engage the Capstan Gear with the conversion Gear by fixing the 2 Guider bosses and 3 Guider Holes on the Upper part of Chassis into the 2 Guider Holes on the Capstan Gear.
- (2) Set the DC Motor Ass'y with 3 Screws(3) on the Lower part of Chassis.

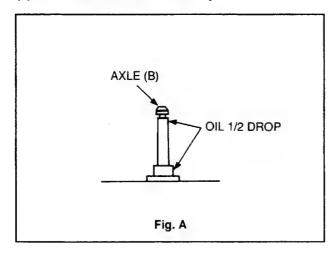
- Use the about 2kgfcm Torque to fix Screw.
- Do not engage with the Gears by forces, because the Capstan Gear is easy to get demaged.
- Stick the DC Motor fast to the Chassis completely.
- Do not touch the Capstan motor Axle, Oil Seal and Rotor.

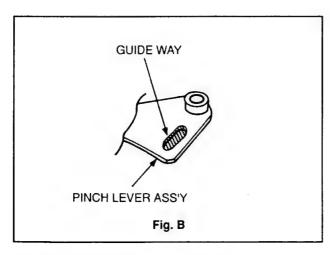


3. PINCH ARM ASS'Y AND PINCH LEVER ASS'Y

3-1. Disassembly (Fig. 4-2-3)

- (1) Set the Unit to the ULC Mode.
- (2) Remove the Pinch Arm Ass'y by removing the stopper Washer.
- (3) Remove the Pinch Lever Ass'y.

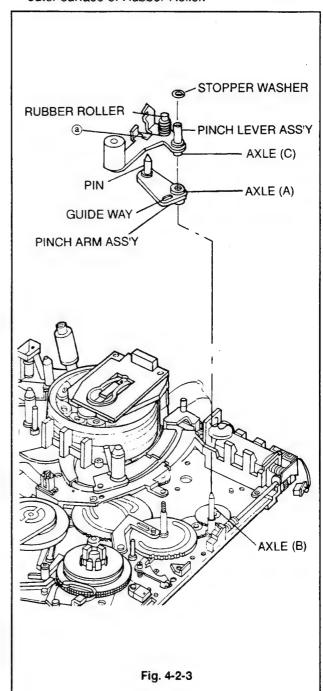




3-2. Reassembly (Fig. 4-2-2, 4-2-3)

- (1) Apply Oil 1/2 drop to the Axle(B) 2 point.
- (2) Apply greese in the in side of Guide on the Pinch Lever Ass'y (Fig. B).
- (3) Stick the Axle(A) of Pinch Lever Ass'y in the Axle B and assemble so the Roller is to be approached to the Guide Way.
- (4) Assemble so the Pinch Lever Ass'y pin is sticked in the ⓐ point by inserting the Pinch Arm Ass'y Axle(C) in the Axle (reassembling state).
- (5) Set the Stopper Washer.

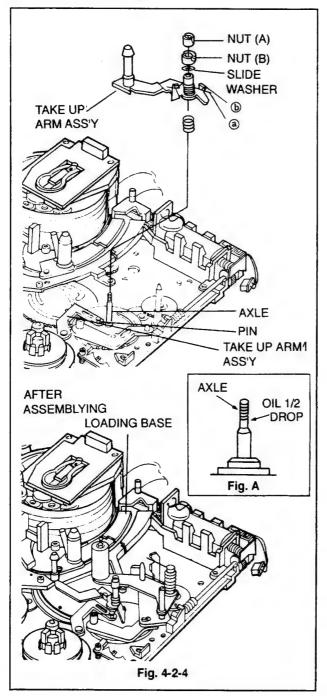
- Be careful the Nut is not to touch the Rubber Roller when reassembling the Pinch Arm Ass'y to Axle.
- Be careful the object material is not to stain the outer surface of Rubber Roller.



4. TAKE UP ARM ASS'Y

4-1. Disassembly (Fig. 4-2-4)

- (1) Set the Unit to the ULC Mode.
- (2) Remove Nut(A) by using the (-) Driver.
- (3) Remove Nut(B) by using the exclusive Driver.
- (4) Remove the Slide Washer.
- (5) Remove the Take Up Arm Ass'y. At this time, remove after the Spring Arm a point is to be supported to the Vertical Bending part point of Take Up Arm Ass'y.
- (6) Remove the Spring.

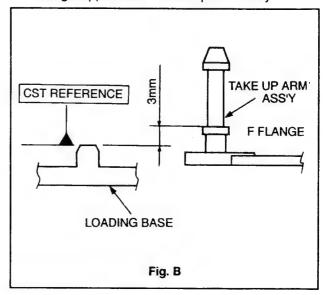


4-2. Reassembly (Fig. 4-2-4)

- (1) Apply the Oil 1/2 drop on the Axle.
- (2) Assembly the Compression Spring, Take Up Arm Ass'y, Slide Waher, Nut(B) and Nut(A) to the Axle.
- (3) Strain the Spring Arm (a) point of Take Up Arm Ass'y to the front to be stopped by sticking in the in side of Take Up Lever Ass'y Pin.

4-3. Take Up Arm Ass'y Height Adjustment

 Adjust to 3mm the height between the Cassette install standard side of Loading Base and the Frange Upper side of Take Up Arm Ass'y.



- Do not force the Spring Arm unreassembly during disassembly and reassembly, it may cause the transformation of spring.
- Readjust the Take Path after reassembly.

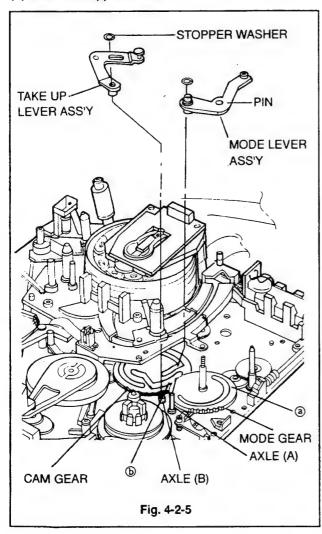
5. MODE LEVER ASS'Y and TAKE UP LEVER ASS'Y

5-1. Disassembly (Fig. 4-2-5)

- (1) Set the Unit to ULC Mode.
- (2) Remove the Stopper Washer and then remove the Mode Lever Ass'y.
- (3) Remove the Stopper Washer and then remove the Take Up Lever Ass'y.

5-2. Reassembly (Fig. 4-2-4, 4-2-5)

- (1) Apply the Grease in the CAM trace (a) of Mode Gear.
- (2) Apply the Oil 1/2 drop to the Axle.
- (3) Stick the Mode Lever Ass'y pin in the CAM trace
 (a) of Mode Gear and then assemble the Mode Lever Ass'y to the Axle(A).
- (4) Set the Stopper Washer.
- (5) Apply the Oil 1/2 drop to the Axle(B).
- (6) Stick the Take Up Lever Ass'y pin in the CAM trace (b) of CAM Gear and then assemble the Take Up Lever Ass'y to the Axle.
- (7) Set the Stopper Washer.



6. SOFT BRAKE ASS'Y AND T/BAND PROTECT

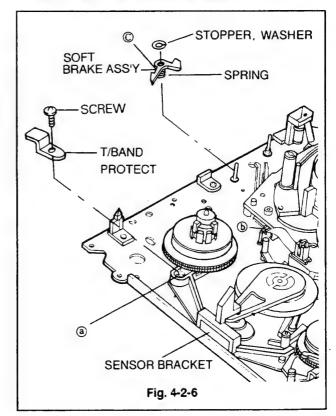
6-1. Disassembly (Fig. 4-2-6)

- (1) Set the Unit to the ULC Mode.
- (2) Hook the Spring Arm point © stuck in the Vertical Bending part point ⑤ on the Upper part of Chassis to the Spring hanger of Soft Brake Ass'v.
- (3) Remove the Stopper Washer and then remove the Soft Brake Ass'v.
- (4) Release the Screw and remove the T/Band Protect.

6-2. Reassembly

- (1) Stick the T/Band Protect in the Sensor Bracket point (a).
- (2) Set the Screw to point @ using the (+) Driver.
- (3) Set the Soft Brake Ass'y to the Axle.
- (4) Set the Stopper Washer.
- (5) Assemble the Spring Arm point © stuck in the Soft Brake Ass'y supports the Vertical Bending part point ⓑ on the upper part of Chassis.

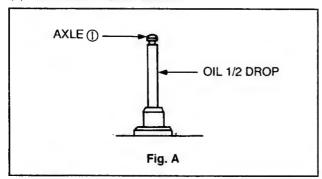
- Use the about 1.2kgf cm Torque to fix the T/Band Protect Set Screw.
- Do not force the Spring Arm © unreassembly, it may cause the transformation of Spring.
- During T/Band Protect assembling, be careful the Reel Ass'y Gear not to be denaged.

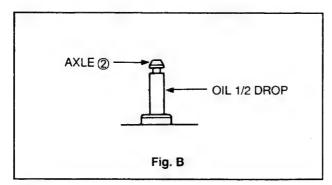


7. TENSION REGULATOR ASS'Y AND SLANT ROLLER ARM ASS'Y

7-1. Disassembly (Fig. 4-2-6, 4-2-7)

- (1) Set the Unit to the ULC Mode.
- (2) Hook the Spring Arm point (a) to the Spring Hanger point (e) of Slant Roller Arm Ass'y.
- (3) Remove the Stopper Washer and the remove the Slant Roller Arm Ass'v.
- (4) Remove the Spring Hook of Tension Regulator Ass'y from the Spring Hanger point © of Bracket.
- (5) Remove the Screw using the (+) Drive.
- (6) Remove the Stopper Washer and then remove the Tension Regulator Ass'y.
- (7) Remove the Slide Washer.





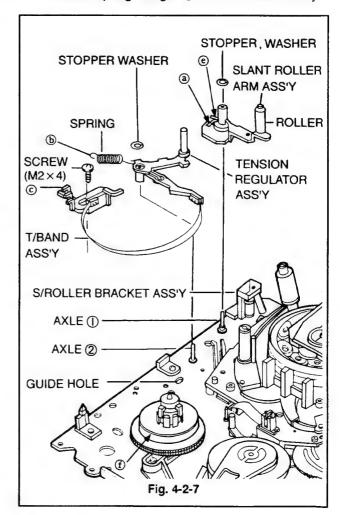
NOTES:

- Be careful so the Band is not to be distarted or folded and the Felt is not to be dirted by an object material during disassembly the Tension Regulator Ass'y.
- Be careful so the Roller surface is not to be dirted by an object material during disassembling the Slant Roller Arm Ass'y.

7-2. Reassembly (Fig. 4-2-7, 4-2-8)

- (1) Assemble the Slide Washer to the Axle (2).
- (2) Apply the Oil 1/2 drop to the Axle (2).
- (3) Assemble the Felt side of T/Band Ass'y with the point ① part of S-Reel Ass'y correctly by sticking the Tension Regulator Ass'y on the Axle.
- (4) Assemble the Bracket Guider boss of T/Band Ass'y to accord with the Guide Hole on the upper part of Mechanism Chassis, and then set the Screw.

- (5) Assemble the Stopper Washer on the Axle (2).
- (6) Put up the Spring Hook at the middle point of Bracket Spring Hanger ©.
- (7) Apply the Oil 1/2 drop to the Axle (1).
- (8) Assemble the Slant Roller Arm Ass'y on the Axle (1).
- (9) Set the Stopper Washer to the Axle (1).
- (10) Adjust the position of Tension Regulator FWD.
- (11) Put up the Spring Hook (b) at the middle Claw of Bracket Spring Hanger (c) on the T/Band Ass'y.



- During assembling the Tension Regulator Ass'y, be careful the Band is not to be distorted or folded and the Felt is not to be dirted by an object material.
- Use the about 1.2kgf cm Torque to fix the Bracket Set Screw.
- During assembling the Slant Roller Arm Ass'y, be careful the Roller surface is not to be dirted by an object material.

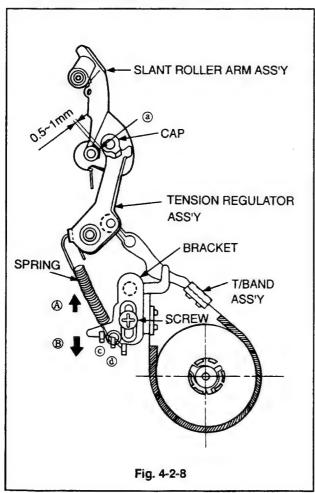
8. TENSION REGULATOR FWD POSI-TION AND BACK TENSION ADJUST-MENTS

8-1. FWD position Adjustment

- (1) Set the Unit to the FWD Mode after Loading a Cassette Tape. (Loading make)
- (2) Make Sure the gap between the edge of cap on the Tension Regulator Ass'y and the edge of Boss point (a) on the Slant Roller Arm Ass'y is 0.5~1mm.
 - If the gap is over the range, adjust the next step after ejecting the Cassette Tape.
- (3) Remove the Set Screw of the Bracket on the T/Band Ass'y.
- (4) If the measuring gap is farther than the range, draw the Bracket up to the Direction of arrow (A), and if the gap is nearer than the range, thrust the Bracket to the direct on of arrow (A), and then set the Screw.
- (5) Check the gap is in the range value by adjusting steps(1), (2) repeatedly.

NOTES:

Use a Cassette Tape wound about half.



8-2. Back Tension Adjustment (Fig. 4-2-8)

- (1) Load the Torque Cassette Tape in the Unit and set the Unit to Ope-Mode after step, adjustment. (Forward Play Mode).
- (2) Check the Back Tension Torque of the Supply side is in 6.5±2(gf cm).
- (3) Otherwise, adjust the Spring hanger position of Bracket as follows:
- (4) If the measurment value is more than the range, put the Spring Hook up to the Hanger ©, and if it is less than the range, put the Spring Hook up to the Hanger (a).
- (5) Make sure the Back Tension is in the range value by adjusting steps(1), (2) repeatedly.

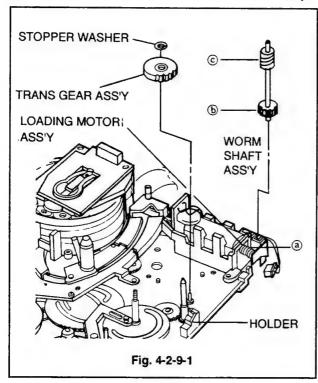
8-3. Reel Torque Checking

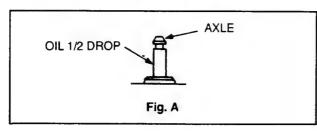
- (1) Load the Torque Cassette Tape in the Unit.
- (2) Set the Unit to FWD Mode and check the Torque on the T Reel Table is in 12.5 ± 4gf cm.
- (3) Set the Unit to REV Mode and Check the Torque on the S Reel Table is in 12.5±4gf cm.
- (4) Set the Unit REV Mode and Check the Torque on the T Reel Table is in 12.5 ± 4gf cm.
- (5) If each Torque Value is over the range, change the Reel table.

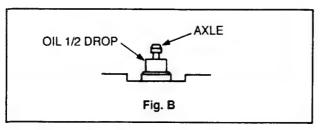
9. WORM GEAR ASS'Y MIDDLE GEAR, TRANS GEAR ASS'Y, LOADING MOTOR ASS'Y AND BRACKET ASS'Y

9-1. Disassembly (Fig. 4-2-9-1, 4-2-9-2)

- (1) Remove the Screw for removed the Loading Motor Ass'y (Fig. 2-9-2). At this time, the Worm Gear Ass'y is disassembled simultaneously with the Loading Motor Ass'y (a) and Worm Gear Ass'y (b) in gear together. (Fig. 4-2-9-1)
- (2) Remove the Loading Motor Ass'y and Worm SHAFT Ass'y. (Fig. 4-2-9-1)
- (3) Remove the Stopper Washer and remove the Trans Gear Ass'y.
- (4) Remove the Stopper Washer and remove the Middle Gear.
- (5) Release the Screw to remove the Bracket Ass'y.

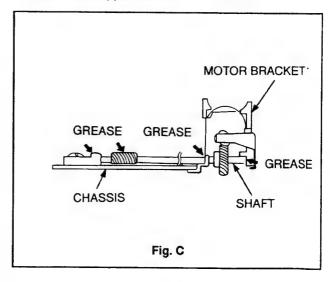






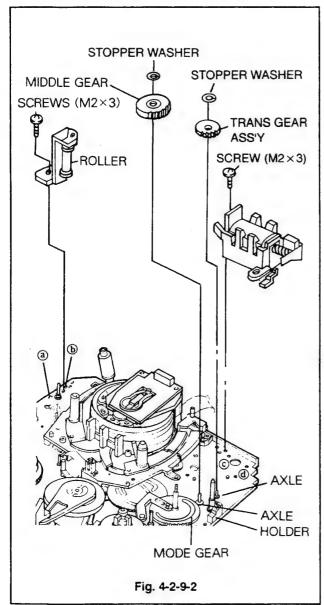
9-2. Reassembly (Fig. 4-2-9-2)

- (1) Assemble the Guide Bosses 2 points of Bracket Ass'y to accord with the Guide Holes "@" and "@" on the upper part of Mechanism Chassis, and then set the screw.
- (2) Apply the Oil 1/2 drop on the Axle.
- (3) Go in gear the Mode Gear with Middle Gear by sticking on the Axle.
- (4) Set the stopper Washer to the Axle.
- (5) Assemble the Guide Bosses 2 points on the Lower part of Loading Motor Ass'y to accord with the Guide Holes "©" and "@" on the upper part of Mechanism Chassis and then set the Screw.
- (6) After the Gear point ⑤ of Worm Gear Ass'y is to be toward below, stick it into the Gear ⑥ bottom of Loading Motor Ass'y, and fix the Shafe end tip is to be supported to the Loading Motor Bracket first tip, and then assemble the other side of Shaft by pushing from inside of Holder to outside.
- (7) Apply the GREASE on the parts. (Fig. C)
- (8) Apply the Oil 1/2 drop on the Axle.
- (9) Go in gear with the Middle Gear and Worm Gear Ass'y Gear © together by sticking the Trans Gear Ass'y on the Axle.
- (10) Set the Stopper Washer on the Axle.



NOTES:

- Do not in gear the Gears by force during disassembly/reassembly of Gear, bited each other.
- During assembling the Bracket Ass'y, be careful the Roller surface is not to be dirted by an object material.
- Use the about 1.2kgf cm Torque to fix the Screw.



10. LOADING BASE ASS'Y, MODE GEAR ASS'Y AND EJECT LEVER ASS'Y

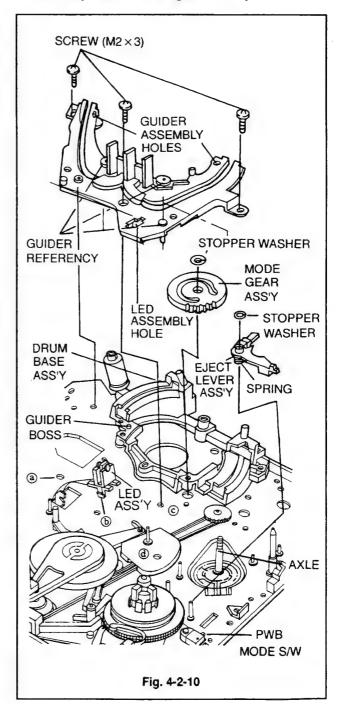
10-1. Disassembly (Fig. 4-2-10)

- (1) Remove the LED Ass'y from the Led assembly Hole of Loading Base Ass'y.
- (2) Remove 3 Screws and then remove the Loading Base Ass'y.

- (3) Release the Stopper Washer and remove the Mode Gear Ass'y.
- (4) Hook the Spring Arm point ⓐ of Eject Lever Ass'y by pushing to the front to the Spring Hanger of Eject Lever Ass'y.
- (5) Remove the Stopper Washer and then remove the Eject Lever Ass'y.

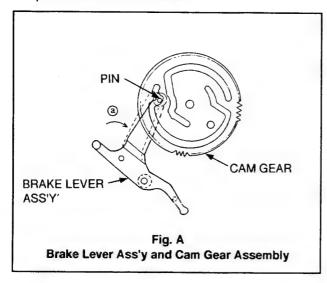
NOTES:

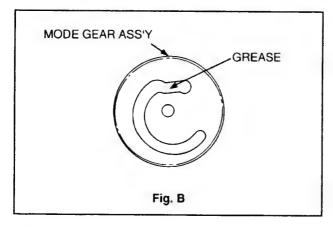
 Be careful the Led Ass'y Hook is not to danage during disassembly the LED Ass'y from the Led assembly Hole of Loading Base Ass'y.



10-2. Reassembly (Fig. 4-2-10)

- (1) Fix the Guide Basic 4 pins of Loading Basse Ass'y to the refuge holes "@ ", "\operation", "\operation" and "\operation" formed on the upper part of Mechanism Chassis. Stick the Pin into the Gear trace of outer Cam formed on the Cam Gear by pushing the Brake Lever Ass'y slightly in the direction of arrow, and then stick the Guide Basic 4 Pins of Loading Base Ass'y fast to Guide 2 Holes by pressing from above to below. (Fig. A)
- (2) Set 3 Screws to "T1", "T2" and "T3" on the upper part of Mechanism Chassis.

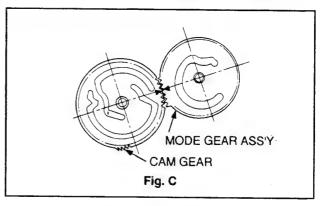


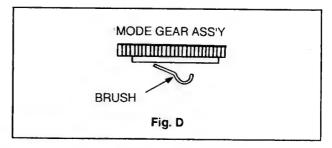


- (3) Assemble the Eject Lever Ass'y on the Axle, and Set the Stopper Washer on it.
- (4) Wipe the surface of PWB Mode S/W with the cotton stick with the cleanser.
- (5) After the cleanser is dried completely, Apply the Grease to the point of contact evenly and thinly.
- (6) Apply the Grease on the Mode Gear Ass'y Cam formative parts.
- (7) Go in gear the Cam Gear with the Mode Gear Ass'y by sticking on the Axle. (Fig. C)

(Assembly Method)

Go in gear with together so the intaglioed arrow edge to accord on the line connected to the middle of Mode Gear Ass'y and the middle of Cam Gear.





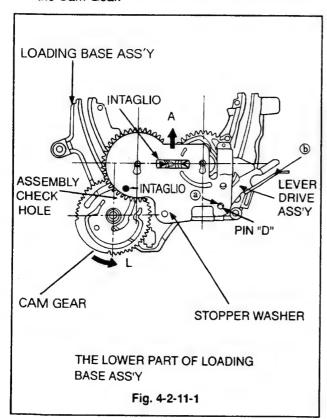
- (8) Set the Stopper Washer on the Axle.
- (9) Push the Spring Arm point (a) of Eject Lever Ass'y from the Spring hanger to below to be supported to the sidewall of CST S/W.
- (10) Apply the Grease on the deviant lines of Loading Base Ass'y (Fig. 4-2-11).
- (11) Stick the Led Ass'y into the Led Ass'y Hold of Loading Bass Ass'y.

- Use the about 1.2kgf mm Torque to set 3 Screws.
- Do not force unreasonably, during disassembly and reassembly it may cause the transformation of Gear.
- Be careful so the Roller(S), (T) is not to be dirted by an object material.
- Take the Led Ass'y Hook and Loading Base Ass'y not to be transformed during assembling the Led Ass'y to the Led Ass'y Hole of Loading Base Ass'y.
- Be careful so the Brush on the Lower part is not to be transformed during handling the Mode Gear Ass'y (Fig. D).
- Do not gear in the Mode Gear Ass'y and Cam Gear by force during assembling, the Gear parts may get damaged.
- Take the Spring Arm (a) of Eject Lever Ass'y not to be transformed by force.

11. GEAR LOADING ASS'Y(S), (T), SLANT BASE ASS'Y(S), (T), CAM GEAR AND LEVER DRIVE ASS'Y

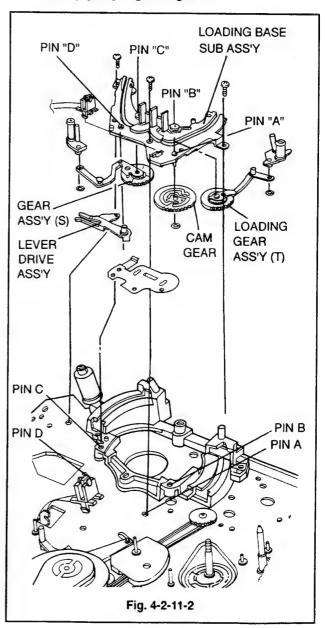
11-1. Disassembly (Fig. 4-2-11-1, 4-2-11-2)

- (1) Turn the Loading Base Ass'y over, and remove the part ⓐ of stopper Plate from Pin "D" by raising and then remove the Stopper Plate by Pushing and raising to "A" direction (to above). (Fig. 4-2-11-1)
- (2) Remove the Lever Drive Ass'y from Pin "D" on the Loading Base Sub Ass'y.
- (3) Turn the Cam Gear to the "L"direction to stop the rotating. At this time the Slant Base Ass'y(S), (T) also move forward because the Loading Gear Ass'y(S), (T) is rotated (Fig. 4-2-11-3).
- (4) Remove the Loading Gear Ass'y(S) and Slant Base Ass'y(S) from the pin "C" on the Loading Base Sub Ass'y.
- (5) Remove the Stopper Washer of Loading Gear Ass'y and disassemble the Slant Base Ass'y(S).
- (6) Remove the Loading Gear Ass'y(T) and and Slant Base Ass'y(T) from the pin "B" on the Loading Base Sub Ass'y.
- (7) Remove the Stopper Washer of Loading Gear Ass'y(T) and disassemble the Slant Base Ass'y (T).
- (8) Remove the Stopper Washer from the pin "A" on the Loading Base Sub Ass'y and disassemble the Cam Gear.



11-2. Reassembly (Fig. 4-2-11-1, 4-2-11-2)

- (1) Apply the Oil 1/2 drop on the pin "A" of Loading Base Sub Ass'y. (Fig. 4-2-11-2)
- (2) Apply the Grease on the deviant lines of Cam Gear. (Fig. A)
- (3) Stick the Cam Gear in the pin "A" of Loading Base Sub Ass'y adn then set the Stopper Washer.
- (4) Stick the Slant Base Ass'y(T) and the set theStopper Washer.
- (5) Assemble the Cam Gear and Loadilng Gear Ass'y by going in gear together.

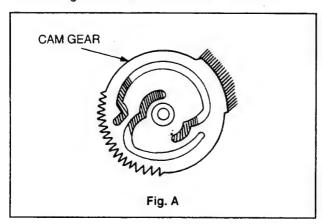


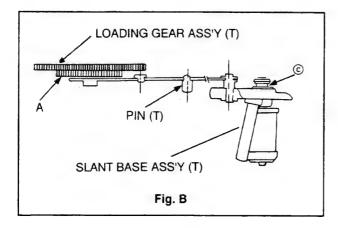
(Assembly Method)

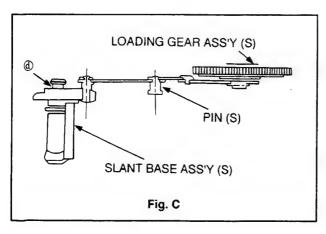
Apply the Oil 1/2 drop to the Pin "B". Accord the "assembly basic Hole", on the part unformed the teeth pattern by turning the Cam Gear, with the Guider Hole "E" forned on the Loading Base Sub Ass'y.

Fix the Loading Gear Ass'y(T) in the Pin "B". Accord the Guider Hole "F" in the center of cam Gear and Loading Cam Gear.

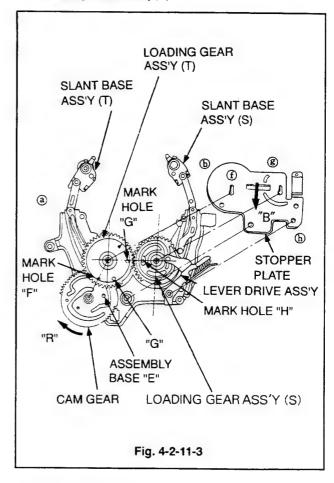
In the state, fix the little Gear(A) Teeth in the Cam Gear by pushing the Loading Gear Ass'y(T) from the Upside to the lower. (Fig. 2-11-3). And Check the Guider Hole "G" of Loading Gear Ass'y(T) is placed in the straight line between Pin "B" and Pin "C".







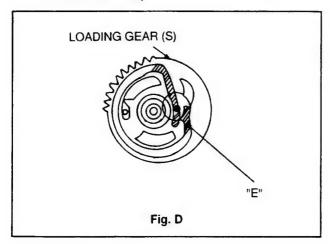
- (6) Stick the Pin "T" head of Loading Gear Ass'y(T) in the Guide Way "A" of Loading Base Sub Ass'y. (Fig. 4-2-11-3)
- (7) Stick the Slant Base Ass'y(S) in the Lever Hold of Loading Gear Ass'y(S) and Set the Stopper Washer. (Fig. 4-2-11-2)
- (8) Apply the Oil 1/2 drop in the Pin "C" of Loading Base Sub Ass'y. (Fig. 4-2-11-2). Go in gear the teeth of Loading Gear Ass'y(S) with the teeth of Loading Gear Ass'y(T).



(Assembly Method)

Fix the Loading Gear Ass'y(S) in the Pin "C" and check the Guide Hole "H" is placed in the straght line between Pin "B" and Pin "C", After Assembly, Pin "B", Guider Hole "G", Guider Hole "H" and Pin "C" are placed on the straight line. (Fig. 4-2-11-3)

- (9) Stick the Pin(S) Head of Loading Gear Ass'y(S) in the Guide Way "B" of Loading Base Sub Ass'y. (Fig. 4-2-11-3)
- (10) Rotate the Cam Gear to the direction of "R" Stick the part "C" of Slant Base Ass'y(T) and part "D" of Slant Base Ass'y(S) in the Guide Way "A" and "B" of Loading Base Sub Ass'y and then rotate the Cam Gear to the direction of "R" until the rotaty is stopped.
- (11) Apply the Grease on the deviant Lines of Cam trace formed on the Gear. (Fig. D)
- (12) Apply the Oil 1/2 drop in the Pin "D" of Loading Base Sub Ass'y. (Fig. 4-2-11-3)
- (13) During sticking the Lever Drive Ass'y in the Pin "D" of Loading Base Sub Ass'y, stick the Pin "L" of Lever Drive Ass'y in the inside of Cam trace on the Loading Gear(S). (Fig. D, part "E")
- (14) Apply the Grease on the deviant Lines of Lever Drive Ass'y. (Fig. 4-2-11-3)
- (15) Set the Stopper Plate
- (16) Turn the Loading Base Ass'y over, and apply the Grease to the deviant lines of the upper part on the Guide Way.



(CHECKING) (Fig. 4-2-11-1)

- Check the Vertical hem of Loading Gear Ass'y(T) negative mark "D" and Loading Gear Ass'y(S) positive mark " " are accorded with each other.
- Check the stopper Plate Guider Hole "I" and Loading Gear Ass'y(T) negative mark "G" are accorded with each other.
- During the checking, if the wrong result is found, adjust the steps above again.

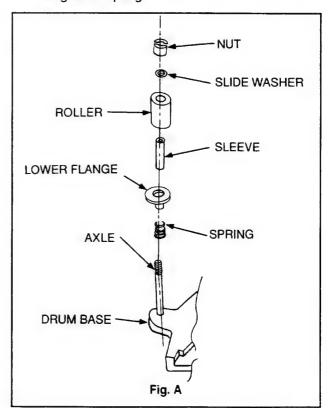
NOTES:

- During the Gears assembly, be careful of the Teeth of Gears get demaged by force.
- Do not force them umreasonably to disassembly and assembly.
- During the Slant and Base Ass'y(C), (T) disassembly and assembly, be careful of the obstruction adhere to the Roller and Post.

12. DRUM BASE ASS'Y AND INERTIA ROLLER ASS'Y

12-1. Disassembly (Fig. 4-2-12) (Fig. A)

- (1) Remove 3 Screws and ever remove Drum Base Ass'y.
- (2) Remove the Nut.
- (3) Remove the Slide Washer, Roller, Sleeve, Lower Flange and Spring.

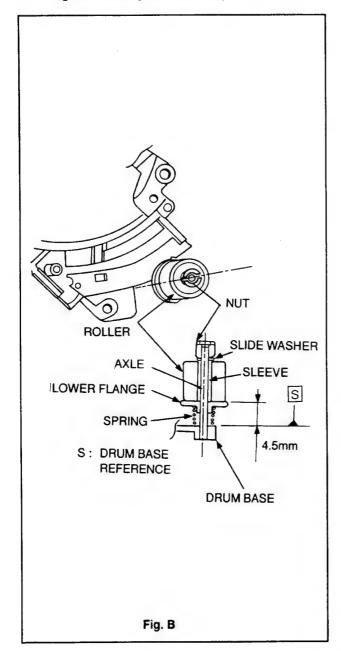


12-2. Reassembly (Fig. 4-2-12) (Fig. A)

- (1) Install the Spring, Lower Flange, Sleeve, Roller and Slide Washer on the Axle of Drum Base.
- (2) Fix the Axle by rotating the Nut four or six times.
- (3) Stick the Guide Bosses 2 point of Drum Base Ass'y in the Boss refuge Holes on the upper part of the Mechanism Chassis from above to below.
- (4) Set 3 Screws to fix the Drum Base Ass'y.

NOTES:

- Use the about 2kgf cm Torque to set Screw.
- Be careful so the Roller surface is not to be dirted during disassembly and assembly.

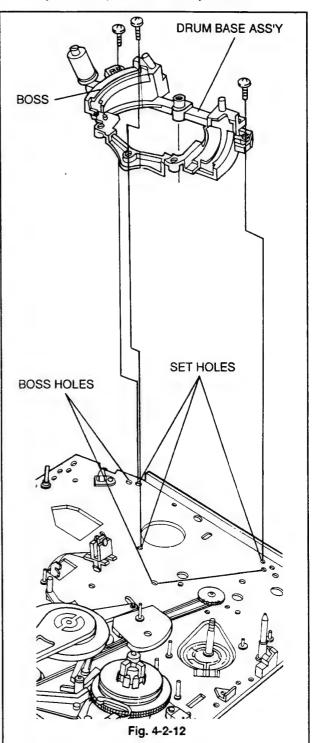


12-3. Roller Height Adjustment (Fig. B)

(1) Adjust the height of Drum Base Lower Side and Lower Frange upper Side by rotating the Nut.

NOTE:

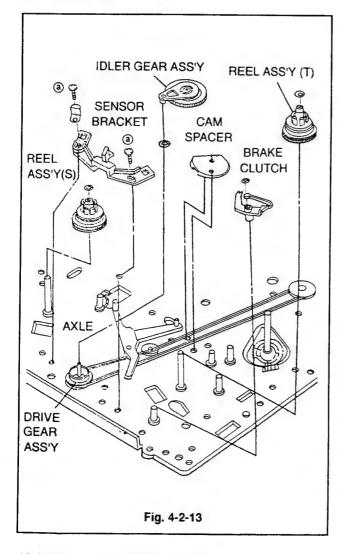
· Readjust the Tape Path after adjustment.



13. BRAKE CLUTCH, REEL ASS'Y(S), REEL ASS'Y(T), SENSOR BRACKET, IDLER GEAR ASS'Y AND CAM SPACER

13-1. Disassembly (Fig. 4-2-13)

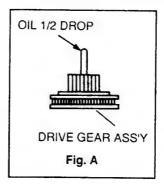
- Remove the Stopper Washer and remove the Brake Clutch.
- (2) Remove the Stopper Washer and remove the Slide Washer after disassembly the Reel Ass'y (T).
- (3) Remove the Reel Ass'y(S) and then remove the Slide Washer.
- (4) Remove the Screw @ and Sensor Bracket.
- (5) Disassemble the Idler Gear Ass'y and remove Slide Washer.
- (6) Remove the Cam spacer.

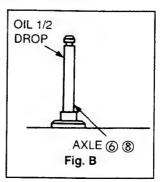


13-2. Reassembly (Fig. 4-2-13)

(1) Stick the Guide Bosses 2 point of Cam Spacer in the Guider Bosses 2 point on the upper part of the Mechanism Chassis in the bottom of the Chassis by pushing from above to helow.

- (2) Stick the Slide Washer on the Axle and then apply the Oil 1/2 drop and assemble the Idler Gear Ass'y on the Axle. (FIg. A). During assembling the Idler Gear Ass'y, go in gear the idler Gear teeth with Gear teeth on the
 - gear the idler Gear teeth with Gear teeth on the upper part of Drive Gear Ass'y.
- (3) Stick the Guide Boss 2 point of Sensor Bracket in the Guide Holes 2 point on the upper part of Mechanism Chassis and set right part with Screw.
- (4) Push the Spring Arm (a) of Brake Reel Ass'y to be supported to the side wall of Sensor Bracket.
- (5) Stick the Slide Washer on the Axle and apply the Oil 1/2 drop to the Axle and assemble the Reel Ass'y (S). (Fig. B)
- (6) Stick the Slide Washer on the Axle and apply the Oil 1/2 drop to the Axle and assemble the Reel Ass'y(T). (Fig. B)
- ⇒ Assemble the Reel Ass'y(T) carefully and go in gear the Brake Reel Ass'y teeth with Reel Ass'y (T) teeth by rotating the Lever Brake Ass'y to the direction of "R".
- (7) Set the Stopper Washer on the Axle.
- (8) Set the Brake Clutch and then the Stopper Washer on the Axle.
- ⇒ Assemble the bow of Brake Clutch to be Supported to the Side wall of Reel Ass'y(T).



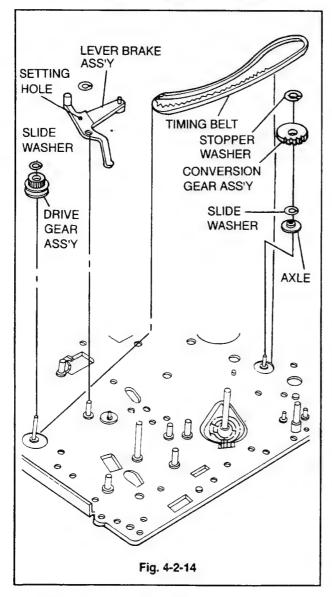


- Be careful so the bow of Brake Clutch is not to be transformed.
- Do not enguage with the Gears by forces, because the Idler Gear is easy to get demaged during the Idler Gear Ass'y.
- Be careful so the teeth is not to get demaged during assembling the Brake Reel Ass'y and Reel Ass'y(T).
- Do not force the Spring Arm unreafonably during the disassembly and reassembly of Spring Arm on the Brake Reel Ass'y, it may cause the transformation of Spring.
- Use the about 1.2kgf cm Torque to set Screw.

14. BRAKE REEL ASS'Y, LEVER BRAKE ASS'Y, TIMING BELT, IDLER BELT, DRIVE GEAR ASS'Y, CONVERSION GEAR ASS'Y

14-1. Disassembly (Fig. 4-2-14)

- (1) Remove the Stopper Washer and remove the Brake Reel Ass'y.
- (2) Remove the Timing Belt. Release the Timing Belt stuck in the Idler Belt and then remove the Timing Belt from the Drive Gear Ass'y.
- (3) Loosen the Stopper Washer, and remove the Idler Belt and Slide Washer.
- (4) Remove the Drive Gear Ass'y and Slide Washer on the Axle.
- (5) Loosen the Stopper Washer, and remove the Conversion Gear Ass'y and Slide Washer.



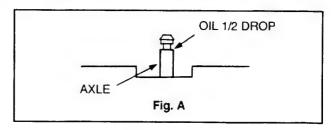
14-2. Reaseembly (Fig. 4-2-14)

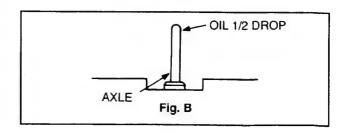
(1) Stick the slide washer on the Axle and apply the oil 1/2 drop on the Axle. (Fig A)

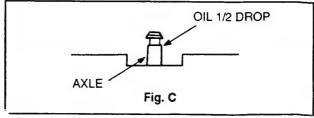
- (2) Assemble the conversion Gear Ass'y on the Axle and set the stop washer.
- (3) Assemble the slide wahser on the Axle and apply the oil 1/2 drop on the Axle. (Fig B)
- (4) Assemble the Grive Gear Ass'y on the Axle.
- (5) Stick the Idler Belt on the Axle and apply the oil 1/2 drop on the Axle.
- (6) Assemble the Idler Belt on the Axle and set the stopper wahser.
- (7) Assemble the Timing Belt. Hook the Timing Belt on the lower Gear of Conversion Gear Ass'y and assemble the vertical port(no teeth part) on the lower teeth part of Drive Gear Ass'y by hooking on the vertical part of IdlerBelt. (Fig. 4-2-13) Apply the oil on the teeth of Timing Belt.
- (8) Assemble the Lever Brake Ass'y on the Axle and set the stopper washer, and then fit the Guider Hole to the cognition hole by rotating the Lever Brake Ass'y.
- (9) Stick the Lever Brake, on the Axle and set the Stopper Washer, At this time, assemble so the part "B" on the Lever Brake Ass'y is to be inserted in the Mouth part "A" on the Brake Reel Ass'y. (Fig. 4-2-13)

NOTE:

Do not force to be transformed unreasonably during the Timing Belt disassembly/assemly.







15. DRUM ASS'Y DISASSEMBLY

15-1. Disassembly

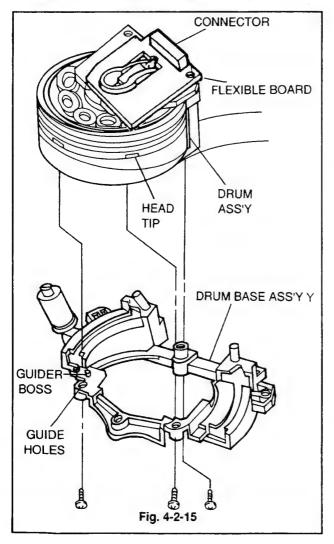
- (1) Set the Unit to the ULC Mode (Unloading mode).
- (2) Remove the Flexible Board and connector.
- (3) Loosen the 3 screws on the Lower part of Chassis and remove the Drum Ass'y from the Drum Base Ass'y.

15-2. Reassembly

- (1) Fit 2 Guider Bosses formed on the Drum Base Ass'y with the Guider refuge Holde on the Lower part of Drum Ass'y, and then set the Drum Ass'y with 3 screws through the Guide Hole of Drum Base Ass'y on the Lower Part of chassis.
- (2) Link the connector to the Flexible Board.

NOTES:

- During the Flexible Board and connector disassembly/assembly, be careful to the Line Cutting or transformation.
- . Do not touch the Head Tip.
- · Readjust the Tape path of ter assembly.
- Use the about 2kgf cm Torgue to set screw.



16. DRUM DISASSEMBLY

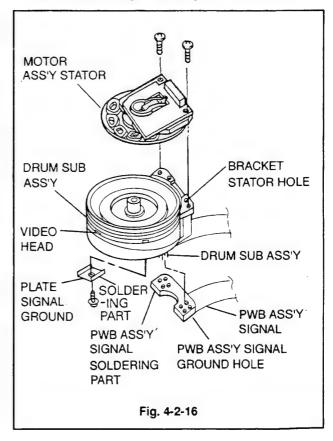
16-1. Disassembly

- (1) Loosen 2Screws on the upper part of Drum Ass'y and remove the Motor Ass'y stator.
- (2) Remove the lead from the soldering part on the Lower part of Drum Ass'y, and remove the Plate Signal by loosening 1 Screw.
- (3) Remove the lead from the PWB Ass'y signal soldering part on the Lower part of Drum Ass'y and remove PWB Ass'y signal.

16-2. Reassembly

- (1) Assemble the Drum to fit the PWB Ass'y signal Hole and the Drum Sub Ass'y pin properly, and solder on the soldering part of PWB Ass'y signal.
- (2) Assemble the Plate Signal Ground on the Drum Sub Ass'y with 1 screw, an then Solder on the soldery part of Plate signal Ground.
- (3) Assemble the Motor Ass'y Stator in the Bracket Stator Hole with 2 screws on the upper part of Drum Sub Ass'y.

- During the parts assembly, do not scratch on the surface of Drum.
- Be careful so the Video Head is not to be damaged.
- Solder carefully after assembling the PWB Ass'y Signal.
- Use the about 2kgf cm Torgue to set screw.



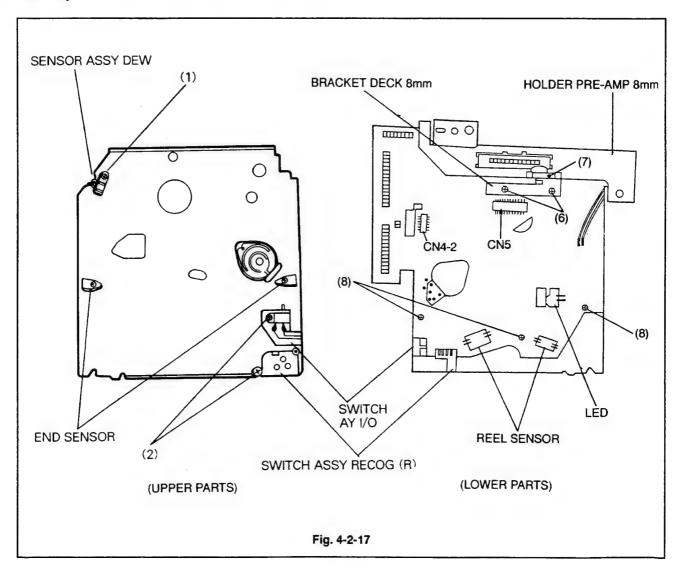
17. PCB ASS'Y DECK

17-1. Disasembly

- (1) Remove 1 screw (4) and 1 screws (5) on the upper parts of chassis.
- (2) Remove the Holder PRE-AMP 8 mm, BRACKET DECK 8mm after release, screw (6) and screw (7).
- (3) Remove 3 screw (8) and remove the solder of Mode switch, LED.
- (4) Remove the PCB ASS'Y DECK JUNTION.

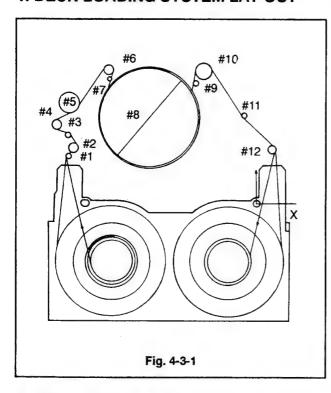
17-2. Reassembly

Perform the reassembly to the reverse order of assembly above.



DECK MECHANISM ADJUSTMENT

1. DECK LOADING SYSTEM LAY-OUT



#1: TENSION POST (@2)

#2: GUIDE ROLLER (N) (@4)

#3: SLANT POST (@2)

#4: GUIDE ROLLER (@4)

#5: INERTIA ROLLER (=P1) (#8)

#6: GUIDE ROLLER (S) (=P2) (@4)

#7: SLANT POST (S) (@2)

#8: DRUM (40)

#9: SLANT POST (T) (@2)

#10: GUIDE ROLLER (T) (=P3) (\$\varphi\$6)

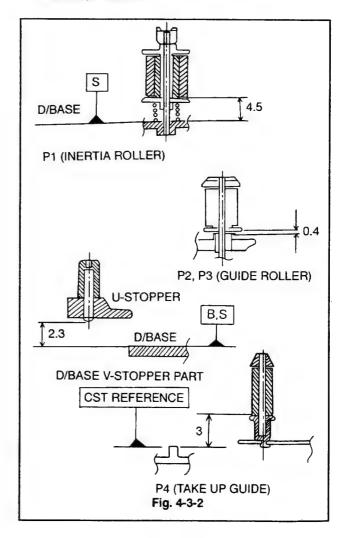
#11: CAPSTAN (@ 1.995)

#12: TAKE UP GUIDE (=P4) (@3)

2. PREPARATIONS

- ① Cleaning water.
- (2) Chanois cloth.
- (3) Cotton stick
- (4) Dental mirror.
- (5) Torgue CST Tape, Alignment Tape and PLAY/RECORDING Tape.
- 6 Hexagonal Wrench(0.89mm) or L-Wrench.
- ⑦ Small(-) Driver⇒P1, P4 Adjustment.
- (9) Circuit jig for Deck adjustment.

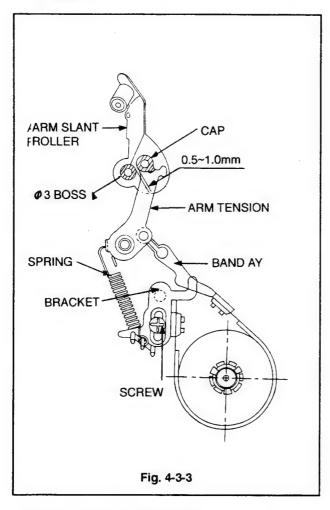
3. LOADING POST FIRST HEIGHT ADJUSTMENT



4. TENTION ARM POSITION AND BACK TENTION ADJUSTMENT

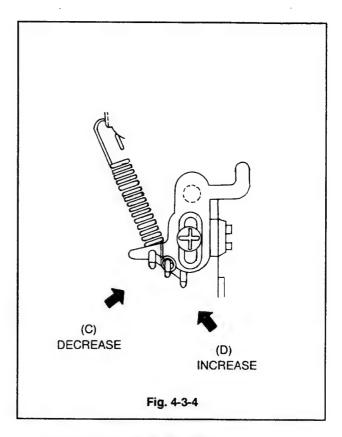
4-1. Tension Arm position Adjustment

- (1) Set the Deck mechanism to the Ope-Mode in No Tape state ⇒using the Circuit Fixture.
- (2) Check the gab between ₱3 Boss of Arm Slant Roller and Cap of Arm Tension is 0.5~1.0 mm. If the gab is over the range, adjust as follows.
- (3) Remove the screw on the Bracket fixing the Band Ass'y.
- (4) Set the Bracket to the desired position by pushing to the direction of A or B and then set the screw.



4-2. Back Tension Adjustment

- (1) After step 4-1 Adjustment, insert the Torgue CST Tape in the Unit and set to the Ope-Mode.
- (2) Check the Back Tension Torgue of Supply side is in 6.5±2 (gf-cm).
- (3) If the measuring value is more than the range, hook the spring of Bracket to (c), and if the value is less than hook to (D).
- (4) Check the Back Tension is in the range by performing the Step 1) and 2) repeatedly.



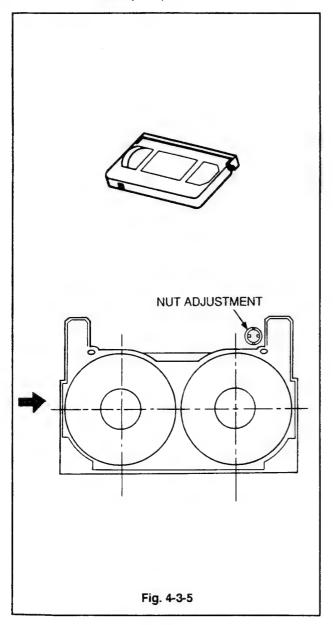
1-5. REEL TORQUE CHECK

Inset the Torque CST Tape in the unit and check the spec as follows;

MODE	UNIT	SPEC	REMARKS
OPC CUE	ar · cm	12.5±4	At T/up Reel
REVERSE	gr · cm	35±6	At Supply Reel
REVIEW		12.5±4	At T/up Reel

6. TAPE PATH ADJUSTMENT

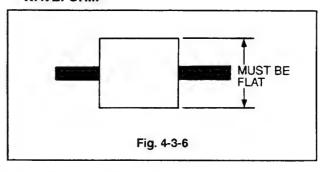
The 8mm Video can control the Tape speed instantaneously using the pilot signal, and adjusst very correctly using the ATF(Automatic Track Finding) method, so the adjustment by Tracking control knob is not need. But in case of ATF method, the Tape Path adjustment is difficult. That is, the perfect adjustment is difficult through the ATF method, because it compensates the Head Tracking Error to extent. Therefore, select the Track shift Mode for is possible and the Tracking control is easy. NOTE for P4 Guide (#12).



6-1. Adjustment preparation

- (1) Wipe the Tape path. (Tape Guides, Drum, Capstan Shaft, Pinch Rollor)
- (2) Set the oiscilloscope for the Waveform Output.
- (3) Play Back the alignment Tape for Tracking control.
- (4) Chck the RF Waveform of Oscilloscope in the Entrance/Exit is flat Otherwise, adjust as follows;

WAVEFORM



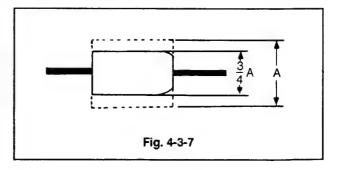
6-2. Tracking Control

- (1) Playback the Aligment Tape for Tacking contrl.
- (2) Using the Running Control stick, rotate the P2-Guide so the waveform of entrance side is to be flatted.
- (3) Using the Running control stick, ortate the P3-Guide so the waveform of exit side is to be flatted.

6-3. Tracking Fine Adjustment

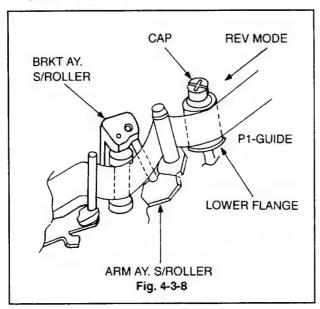
- (1) Playback the Alignment Tape for Tracking control and set the unit to the Track shift mode.
- (2) Check the waveform is flat. Otherwise, roate the P2-Guide and P3-Guide so it is to be flatted.
- (3) Set the Lock screw of P2 side using the Hexaponal Wrench 4 L-Wrench, etc. At this time, check the entrance of waveform is not change.
- (4) Set the Lock Screw in the P3 side using the hexaponal Wrench 4 L-Wrench, etc. At this time, check the exit side of waveform is not changed.

WAVEFORM



6-4. P1-Guide (Inertia Roller) Adjustment

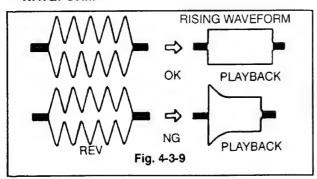
- (1) Playback the P6-120MP Tape, and then set the unit to REV Mode.
- (2) Check the distortion is occurred in the Lower Flange of P1-Guide. If it appears, bring the Cap of P1-Guide a lower by rotating it to the clockwise with the driver until the tape is flatted.
- (3) Playback the Alignment tape for the Tracking control.
- (4) Perform the Tracking Control and Tracking Fine Control.
- (5) In the Track Shift state, playback the tape again after CUE/REV. At this time, check the RF Waveform is stabled horizontality in 2secs.
- (6) If not, rotate the cap of P1-Guide to an angle of 90 degrees of counter-clockwise and then perform step 5 again.



NOTES:

- ① Repeat Step(5),(6) until the normal waveform ranged is become. At this time, if the RF waveform is changed, perform the Track Fine adjustment of Entrance side and then repeat step(5) again.
- ② Druing FF/REW Mode, check the Curl or Tape Jam are occurred on the #4 Guide Roller Upper/Lower Flange of Bracket AY, S/Roller.

WAVEFORM

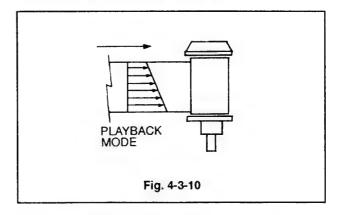


6-5. P4-Guide(T/Up Guide) Adjustment

- Playback the Alignment Tape for Tracking control and set the unit to the REV-Mode.
- (2) Check the Tape transformation is not occurred between the P3-Guide and Capstan Shaft. If it occurrs, rotate the P4-Guide Height Adjustment Cap until the Tape transformation is ridded.
- (3) Set the unit to the playback Mode, and then check the Tape transformation is not occurred between the Capstan shaft and P4-Guide(within 0.5mm) If the Tape transformation is more than 0.4mm, adjust the P4-Guide Height unil it is become within 0.5mm.

NOTES:

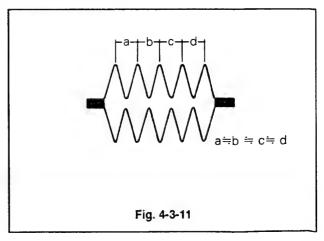
- When the unit is set to the REV*Mode. it is good adjustment that the transformation between P3-Guide and Capstan Shaft is appeard within 0.
 3mm
- The Upper/Lower Tape Tension distribution in the P2,P3-Guide must be as follows;



6-6. CUE/REV Waveform check

- (1) Playback the Alignment Tape for Tracking control and then set the unit to the REV Mode. Check the top of each waveform is sustained with the regular width of 5 or more than 5. Otherwise, perform Item 6-3.
- (2) Set the unit to the CUE-Mode. Check otherwise, perform Item 6-3.

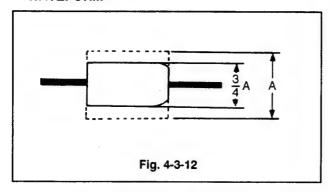
WAVEFORM



6-7. Check after Adjustment

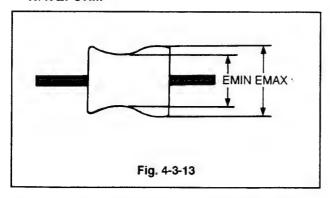
- (1) Tracking Check
 - Check the width of RF Wavefrom is reduced to about 3/4 when do the unit set to the Track Shift position.

WAVEFORM



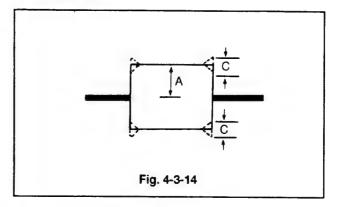
2) Check the Minimum width (Emin) is the 65% of Maximum Width (Emax) or more than 65%.

WAVEFORM



- Check the Waveform is not changed greatly.
- (2) Rising Check
 - Playback an Alignment Tape for Tracking Control.

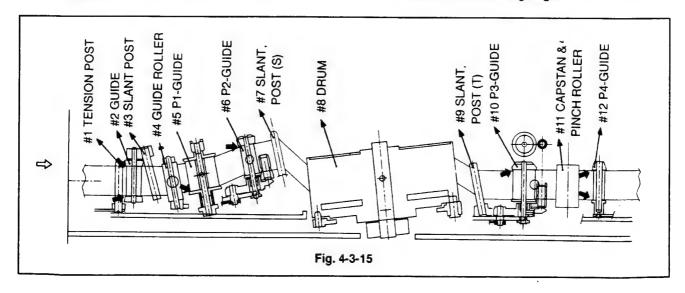
WAVEFORM



- 2) Release the Tracking Shift State.
- 3) Unload the tape and load again.
- 4) Set the Unit to the PLAY mode and check the RF Waveform is stabilized within 2 Secs, horizontally, Also, check the tape is distorted around the Pinch Roller.
- 5) Set the Unit to the CUE/REV and FF/REW modes and then playing back again, check the RF Waveform is stabilized within 2 Secs, horizontally, Also, check the tape is distorted around the Pinch Roller.
- 6) Check the process from 3) to 5) repeatedly.
- (3) TAPE PATH Adjustment
 - Playback the P₆-120MP (NTSC) or P₅-90MP (PAL) Cassette Tape.

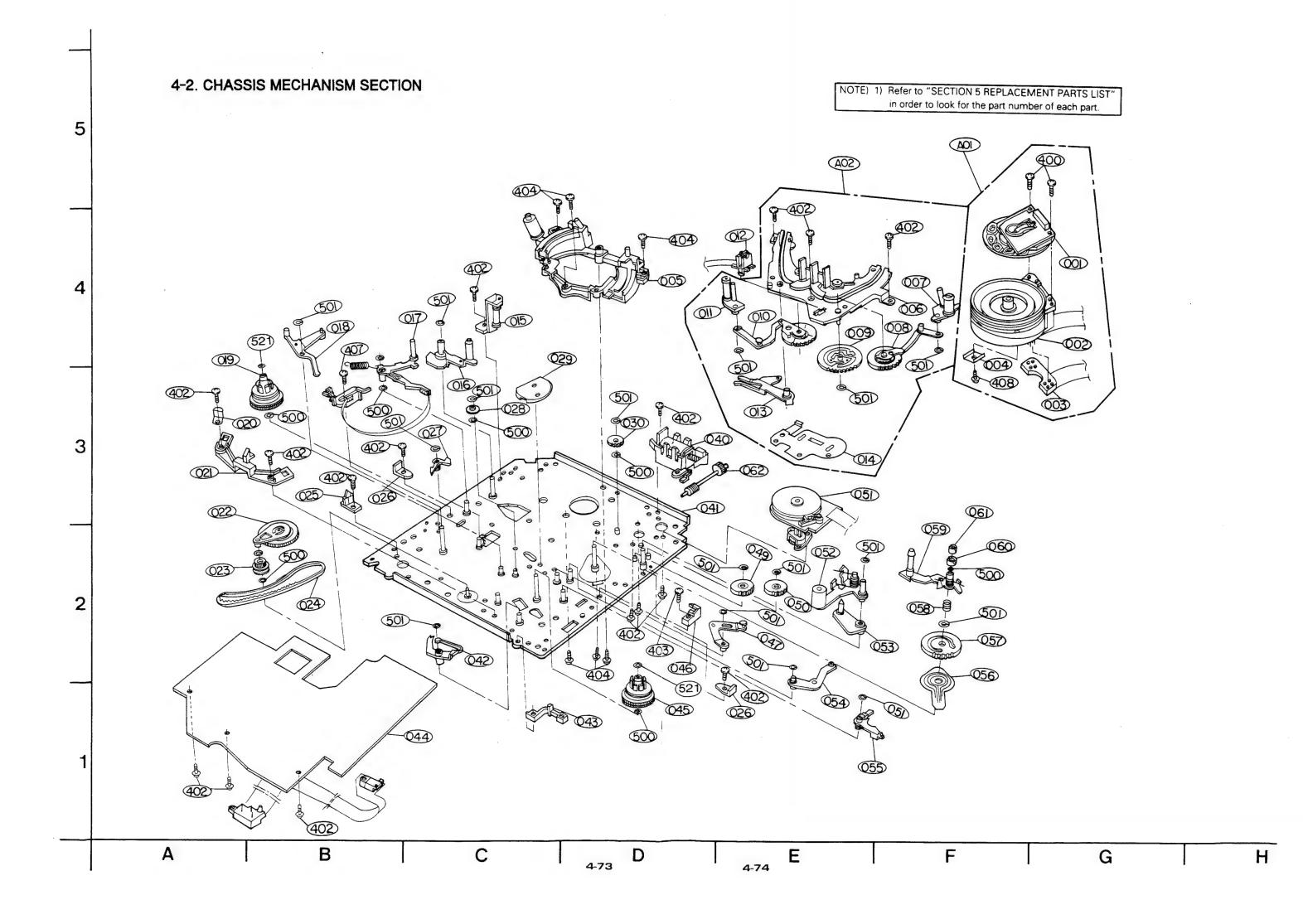
Check the Tape gets on or the Tape folded state is within 0.3mm in the following flanges;

- ① Upper and Lower Flange of #2 Guide.
- 2 Lower Flange of #5 P1-Guide
- 3 Upper Flange of #6 P2-Guide
- 4 Upper Flange of #10 P3-Guide
- 5 Upper and Lower Flange of #12 P4-Guide
- 2) During Playback Mode, press the FF key to set CUE Mode or press the REW key to set REV Mode, and at this time, check the Tape gets on or the Tape folded state is within 0. 3mm in the following flages.



4. EXPLODED VIEW NOTE) 1) Refer to "SECTION 5 REPLACEMENT PARTS LIST" in order to look for the part number of each part. 4-1. CASSETTE HOUSING SECTION В C D F G

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SECTION 5 REPLACEMENT PARTS LIST

1. Mechanical Section

1-1. VHS Mechanism

RUN DATE: 95.09.27 NSP: Not Service Part

SAL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
			ASSEMBLY PARTS	SECTION	
	A00	412-127C	DECK	ASSY D-17'S (7HD SI VCR PAL)	
OR	A00	412C127C	DECK	ASSY D-17'S (7HD SI VCR PAL)	
OR	A00	412G127C	DECK	ASSY D-17'S (7HD SI VCR PAL)	·
OR	A00	412H127C	DECK	ASSY D-17'S (7HD SI VCR PAL)	
OR	A00	412W127C	DECK	ASSY D-17'S (7HD SI VCR PAL)	1
	A01	413-184D	DRUM	ASSY (D17-7CH PAL) DD2	
	A02	386-296C	ARM	ASSY CL	
OR		311-005G	CHASSIS ASSY'	D17	NSP
0	A03	311-005M	CHASSIS ASSY'	D17	NSP
	A04	456-048A	REEL	ASSY SUPPLY POM 7G	
	A05	456-045A	REEL	ASSY T/UP POM 7G	
	A06	321-397D	BRACKET	ASSY F/R	
	A07	225-228A	BASE	ASSY A/C	İ
OR		225-248A	BASE	ASSY,P2	-
On	A08	225-248B	BASE	ASSY P2 (W-W)	
OR		225-249A	BASE	ASSY,P3	
On	A09	225-249B	BASE	ASSY P3 (W-W)	
	A10	414-104A	MOTOR	ASSY LOAD	
1	A11	333-209E	LEVER	ASSY PINCH	
	•		BRACKET	ASSY BOTTOM	
	A20	321-401A	LEVER	ASSY RAT	
	A21	333-208A		ASSY CAP	
	A22	338-078A	BRAKE	1	
	A23	386-218A	ARM	ASSY LOAD(R)	
	A24	386-219A	ARM	ASSY LOAD(L)	
	A25	511-997D	PWB ASSY!	D-17,VCR	
OR		219-017F	HOUSING	ASSY (D17)	
	A30	219-017L	HOUSING	ASSY (D17)	
	A32	435-257B	GEAR	ASSY DRIVE (HOOK ADDED)	
	A33	321-406A	BRACKET	ASSY CARRIER	1
	A34	321-441A	BRACKET	ASSY SIDE	
	A35	515-106B	PWB ASSY!	SENSOR	
			PARTS SEC	TION	
	001	413-182D	DRUM	ASSY UPPER (D-17 7CH PAL)	
	002	413-183A	DRUM	ASSY LOWER (7CH)	
	005	225-231B	BASE	ASSY D-BRUSH	
OR	1	225-220A	BASE	DRUM	NSP
OR	l .	225-220C	BASE	DRUM (Y-H)	NSP
	006	225-296A	BASE	ASSY DRUM (HI-FI)	NSP
	007	386-297A	ARM	SUB ASSY CU	
	008	442-460B	SPRING	CU	
	010	386-295B	ARM	CL	
	012	384-071A	GUIDE	17	1
	012	523-082B	HEAD	FE,HVFHF0010AK	
OF		523-824A	HEAD	F.E MH-131G (D-17)	
UH	013	378-017A	SLEEVE	P1	
	014	434-178A	ROLLER	P1	
OF		434-178B	ROLLER	P1	
Ur	013	101/100	TIOLETT		

MODEL:DV13P 3GQ1 5-1

C AI	LOCA.NO	PART NO(GS)	DESCRIPTION		P: Not Service Par
5 AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
	016	389-003B	ADJUST	P(4)	
	017	434-244A	ROLLER	ASSY INERTIA	NSP
	018	386-205A	ARM	ASSY TENSION	
	019	442-331C	SPRING	TENSION	
	020	328-052B	BAND	ASSY TENSION	
-	021	334-066A	STOPPER	P1	
-	027	435-243A	GEAR	IDLE A POM 3G	
	028	435-244A	GEAR	IDLE B POM 3G	
	029	456-040A	REEL	T17	NSP
	030	442-341A	SPRING	REEL	NSP
	031	276-068A	CAP	REEL	NSP
	032	456-039A	REEL	S17	NSP
	036	435-240A	GEAR	F/R POM 3G	NSP
	037	442-336A	SPRING		Non
	037	435-239A		UP/D	NSP
-			GEAR	UP/D POM 3G	NSP
	040	333-201B	LEVER	ASSY F/R	NSP
	044	442-338B	SPRING	SSB	NSP
	045	338-081A	BRAKÉ	S-SOFT	NSP
	046	442-337A	SPRING	SMB	NSP
	047	338-080A	BRAKE	ASSY S-MAIN	NSP
	048	442-339D	SPRING	TSB	NSP
	049	338-083A	BRAKE	ASSY T-SOFT	NSP
	050	321-396A	BRACKET	SUB ASSY F/R	NSP
	054	389-013A	ADJUST	X-ASSY	
	056	378-018A	SLEEVE	P4	
	060	442-343A	SPRING	T/UP	
	061	386-387B	ARM	ASSY T/UP	
	065	442-332A	SPRING	A/C	
	066	225-219A	BASE	SUB ASSY A/C	NSP
	068	523-089A	HEAD	SUB ASSY A/C	Nor
	069	442-362A	SPRING	AZIMUTH	
	070	338-085A	BRAKE	ASSY T-MAIN	
	070	442-344A	SPRING		
				TMB	
00	074	434-173A	ROLLER	ASSY GUIDE	
OR		434-173C	ROLLER	ASSY GUIDE	
	075	353-054B	SCREW	MINIATURE	
	076	225-226B	BASE	SUB ASSY SLALT (L,W-W)	
	077	225-225B	BASE	SUB ASSY SLALT (R,W-W)	
	081	414-105A	MOTOR	SUB ASSY,L	
	082	437-009A	WORM	ASSY	
	083	321-410A	BRACKET	SUB ASSY L/M	
	084	433-023A	WHEEL	WORM	
	087	321-470A	BRACKET	ASSY DEW	
	088	435-448A	GEAR	PINCH (N)	
	090	442-347A	SPRING	PINCH	NSP
	091	386-210A	ARM	ASSY PINCH	NSP
	092	442-346A	SPRING	STOPPER	NSP
	093	334-050C	STOPPER	PINCH	NSP
OR		434-181A	ROLLER	ASSY PINCH	NOF
	094	434-181B	ROLLER		
				PINCH D14 X L18	
	095	276-089B	CAP	PINCH	NSP
	096	333-203A	LEVER	PINCH	NSP
	098	333-344A	LEVER	T-UP (N)	
	100	321-463A	BRACKET	SUB ASSY B	NSP
	102	435-249A	GEAR	RAT1	NSP

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
	OR OR	103	442-356A	SPRING	F-LEVER	NSP
		104	356-208A	PIN	F-LEVER	NSP
		106	442-345A	SPRING	RAT	NSP
		107	333-202A	LEVER	RAT	NSP
- 1		108	333-207A	LEVER	F17	NSP
		110	374-005A	CAM	D17 POM 10G	
		111	435-318A	GEAR	ASSY RACK F/L	
		112	435-291A	GEAR	ASSY RACK T	
		113	435-246A	GEAR	PC POM 3G	
		114	414-121B	MOTOR	CAPSTAN, GVC017S	
		115	452-047A	BELT	CENTER D71.9 X SQRT2.0	
	1	116	256-734A	PLATE	F17	
		117	442-342B	SPRING	FP	
		120	338-089A	BRAKE	SUB ASSY CAP	
		121	442-333A	SPRING	CAPSTAN	
		122		PULLEY	GEAR POM 3G	
ı			432-038A		ASSY POM 7G FELT 20X1X1T 2EA	
		130	337-005A	CLUTCH		i
1		131	340-001A	HOLDER	LED (Q)	
1		132	324-642A	HOLDER	R/S	Non
1		133	513-494D	PWB	JUNCTION D-17 VCR	NSP
		134	556-133A	SWITCH	MODE	
		134	556-133B	SWITCH	MODE; ALPS	
ľ	OR	135	0DL451000AA	DIODE LED	IR SENSOR GL451 (LONG) SHARP	
-		135	0DL550000AB	DIODE LED	IR SENSOR EL-55L(LONG) KOC	·
-		136	657-102K	SENSOR	SG-105(REEL) D-16 KOC	
-		137	556-131A	SWITCH	ESE-105SV1	
		138	435-234A	GEAR	LOAD(R)	
		139	442-330A	SPRING	LOADING	
		140	386-274A	ARM	SUB ASSY (R)	
		142	435-235A	GEAR	LOAD(L)	
		143	442-330B	SPRING	LOADING	
		144	386-273A	ARM	SUB ASSY (L)	
1		146	333-218A	LEVER	ASSY A-TEN	1
		150	321-527A	BRACKET	ASSY C-GUIDE	}
		201	256-934B	PLATE	TOP	
		204	465-026A	OPENER	DOOR	
١		205	321-517B	BRACKET	LEFT (D17)	
		206	321-518A	BRACKET	RIGHT (D17)	
		207	435-278A	GEAR	RACK N/D	
ı		208	256-910A	PLATE	GND TOP	
-		210	321-440A	BRACKET	SIDE	1
		213	442-351A	SPRING	OC	NSP
		214	465-028A	OPENER	CST	NSP
		215	442-357A	SPRING	RID	NSP
		216	465-027A	OPENER	RID	NSP
		217	324-647A	HOLDER	R	NSP
		218	321-407A	BRACKET	SUPPORT	NSP
		219	321-405A	BRACKET	CARRIER	NSP
		220	324-646A	HOLDER	L	
				1		NSP
		221	333-210A	LEVER	DT	NSP
		222	442-358B	SPRING	DT	NSP
		225	384-074A	GUIDE	CST	
		226	442-352A	SPRING	<u> </u>	NSP
		227	435-254A	GEAR	L	NSP
		228	442-350A	SPRING	S/W	

MODEL:DV13P 3GQ1 5-3

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		229	333-204A	LEVER	S/W	NSP
		230	423-368A	SHAFT	D	NSP
		231	442-353A	SPRING	R	NSP
		232	435-255A	GEAR	R	NSP
		233	435-256B	GEAR	C (HOOK ADDED)	NSP
		234	442-359C	SPRING	CUSHION (D17F/L)	NSP
		235	442-354A	SPRING	CC	NSP
		236	276-086A	CAP	DRIVE	NSP
				SCREW		
		400	1MDC0302418	PAN HEAD MACHINE SCREW P/WASH+	D 3.0 L 8.0 MSWR3/FZY	
		401	1MPK0261418	PAN HEAD MACHINE SCREW +,-	D 2.6 L 4.0 MSWR3/FZY	
		402	353-021D	SCREW	SPECIAL	
		404	353-048D	SCREW	CONE POINT 3X8	
		408	1MBC0302418	BINDING HEAD MACHINE SCREW +	D 3.0 L 8.0 MSWR3/FZY	
		411	353-046B	SCREW	SPECIAL (3X8 FZMY)	
		412	1MBC0302818	BINDING HEAD MACHINE SCREW +	D 3.0 L 12 MSWR3/FZY	
		421	1MPC0302618	PAN HEAD MACHINE SCREW +!	D3.0 L10.0,MSWR3/FZY	İ
		422	1MPC0302418	PAN HEAD MACHINE SCREW +!	D 3.0 L 8.0 MSWR3/FZY	
		425	1SRF0302418	BRAIZER HD TAP TITE SCREW +	D 3.0 L 8.0 MSWR3/FZY	
		426	1MPC0302018	PAN HEAD MACHINE SCREW +!	D 3.0 L 6.0 MSWR3/FZY	
				NUT, WASHER		
		503	354-020E	WASHER	STOPPER	
		504	354-001B	WASHER	P.S D3.1XD6X0.5T	
		505	354-080E	WASHER	STOPPER	
		506	352-025A	NUT	NYLON M3	
		507	354-020J	WASHER	STOPPER(2.6X4.8X0.5)	
		508	352-033A	NUT	NUT NYLON(M3)	
		511	354-080C	WASHER	STOPPER D2.6XD5X0.5T	
		512	354-080E	WASHER	STOPPER	NSP
		513	354-080A	WASHER	STOPPER	NSP
		514	354-080B	WASHER	STOPPER	NSP
		516	354-033B	WASHER	STOPPER	

1-2. 8mm Mechanism

RUN DATE: 95.09.27 NSP: Not Service Part

SA	L LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
			ASSEMBLY PARTS	SECTION	
	A00	412-133A	DECK	SUB ASSY D-21 (F/L)	
	A01	413-306C	DRUM	ASSY DD3SQ	
	A02	225-282A	BASE	ASSY LOADING	
	A30	219-021A	HOUSING	ASSY F/L (D-21)	
			PARTS SEC	TION	·-!
T	001	414-156C	MOTOR	D-21 STATTOR, DRUM DM-21 DD1P	NSP
	002	413-352B	DRUM	SUB ASSY	
	003	515-655B	PWB ASSY!	DRUM SIGNAL	NSP
	004	255-148A	PLATE	SIGNAL GROUND	
	005	225-279A	BASE	ASSY DRUM	
	006	225-283A	BASE	SUB ASSY LOADING	
	007	225-285A	BASE	ASSY S/POST(T)	
	008	435-329A	GEAR	SUB ASSY LOADING(T)	
	009	435-327A	GEAR	CAM	
	010	435-332A	GEAR	SUB ASSY LOADING(S)	
	011	225-288A	BASE	ASSY S/POST(S)	
	012	657-031A	SENSOR	ASSY LED	
	013	333-264A	LEVER	ASSY DRIVE	
	014	255-058A	PLATE	L/BASE	
	015	321-535A	BRACKET	ASSY SLANT GUIDE	
	016	386-310A	ARM	ASSY SLANT ROLLER	
	017	386-313A	ARM	ASSY TENSION	
	018	333-254A	LEVER	ASSY BRAKE	
	019	375-015A	DISC	ASSY REEL(S)	
	020	222-019A	PROTECTOR	T/BAND	
	021	321-534A	BRACKET	SENSOR	
	022	386-307A	ARM	ASSY IDLER	
	023	435-323A	GEAR	ASSY DRIVE	
	023	452-054A	BELT]
	025	322-051A	SUPPORTER	REEL DRIVE (YAMAUCHI) CST	1
	026	657-032A	SENSOR	ASSY END	
	027	338-093A	BRAKE		i
	027	431-028A		ASSY SOFT	1
	029		IDLER	BELT	
	1 1	445-005A	SPACER	CAM GEAR	
İ	030	435-334A	GEAR	ASSY CONVERSION	
	040	414-137B	MOTOR	ASSY LOADING	
	041	313-041B	CHASSIS	ASSY MAIN(F/L)	NSP
	042	338-104A	BRAKE	CLUTCH	
	043	321-533A	BRACKET	RECOG S/W	İ
	044	515-680A	PWB ASSY!	ASSY JUNCTION	
	045	375-016A	DISC	ASSY REEL(T)	
	046	324-823A	HOLDER	SHAFT	
	047	333-267A	LEVER	ASSY T/UP	
	049	435-321A	GEAR	MIDDLE	
	050	435-348A	GEAR	ASSY TRANSFER	
	051	414-141A	MOTOR	D-21 CAPSTAN MOTOR GSD	
	052	386-319A	ARM	ASSY PINCH	

MODEL:DV13P 3GQ1 5-5

RUN DATE: 95.09.27

NSP: Not Service Part

SAL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
	053	333-271A	LEVER	ASSY PINCH	NSP
	054	333-269A	LEVER	ASSY MODE	
	056	504-476A	PWB	MODE S/W	
	057	435-347A	GEAR	ASSY MODE	
	058	442-486A	SPRING	T/UP ARM(C)	
	059	386-316A	ARM	ASSY T/UP	
	060	352-028A	NUT	T/UP ARM(A)	
	061	352-030A	NUT	T/UP ARM(B)	
	062	423-483A	SHAFT	ASSY WORM(L)	
	100	333-323A	LEVER	ASSY LOADING (L)	NSP
	101	257-058A	PLATE	GEAR (L)	
	102	435-399A	GEAR	A	
	103	435-401A	GEAR	C	
	104	435-400A	GEAR	В	
	105	435-402A	GEAR	D	
	106	225-329A	BASE	SIDE (L)	
	107	257-057A	PLATE	SIDE BASE	
	108	414-162A	MOTOR	ASSY HOUSING	1
	110	577-014A	PRISM	END SENSOR	
	111	225-332A	BASE	ASSY LOADING	
	112	257-060A	PLATE	ASSY BASE	
1	113	225-328A	BASE		
	114	333-319A	LEVER	SIDE (R)	1100
	115	333-320A	LEVER	SWITCH	NSP
	116	442-593A	SPRING	DOOR	NSP
- 1	117		LEVER	FOCK(F)	Non
	118	333-318A		LOCK	NSP
	•	333-322A	LEVER	ASSY LOADING (R)	NSP
	119	256-889A	PLATE	CGND	
			SCREW		
	400	353-078B	SCREW	MACHINE+2X9	
	401	353-152A	SCREW	PS (M1.7X2)	
	402	353-153A	SCREW	PS (M2X3)	
	403	353-153B	SCREW	PS(M2X4)	
	404	353-153C	SCREW	PS (M2X5)	
	405	353-153D	SCREW	PS (M2X6)	
	407	353-091C	SCREW	SPECIAL M	
	408	1MFU0201418	FLAT HEAD MACHINE SCREW PREC 1	D 2.0 L 4.0 MSWR3/FZY	
			NUT, WASHER	1	
	500	354-101A	WASHER	SLIDE (1.5TX3.0X0.13)	
	501	354-099A	WASHER	STOP(1.25X3.0X0.25)	
	501	354-099B	WASHER	STOP(1.25X3.0X0.25)	
	502	354-104A	WASHER	STOP (2.2X5.0X0.25)	
- 1	520	354-048E	WASHER	PS+D6XD2.6XT0.5	
- 1					

2. Cabinet & Main Frame Section

RUN DATE: 95.09.27
NSP: Not Service Part

AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARK
			ASSEMBLY PARTS	S SECTION	
	A40	315-314N	FRAME	ASSY MAIN	NSP
	A41	3501R-0249A	BOARD ASSY	KEYBOARD 2NDDD1S	
	A42	3501R-0248A	BOARD ASSY	TIMER 2NDDD1S	
	A43	258-722K	PANEL	ASSY FRONT	
	A44	3501R-0247B	BOARD ASSY	SMPS	
	A45	501-522A	MODULE	PRE AMP ASSY	
1	A45 A46	3501R-0245D	BOARD ASSY	MAIN	
	A47	3501R-0251A	BOARD ASSY	8MM PRE-AMP	
	A47	3501R-0246A	BOARD ASSY	8MM MAIN	
<u></u>	140	00111 0240/1	PARTS SEC		
Γ	050	047.4700	0405	ТОР	
	250	217-472C	CASE	HOUSING	
	251	321-526A	BRACKET		Non
	260	315-300B	FRAME	MAIN	NSP
	262	257-061A	PLATE	GND (FTZ)	NSP
	263	324-976A	HOLDER	PWB	NSP
	275	324-872A	HOLDER	DIGITRON	
	278	273-116A	KNOB	TRACKING	
	280	258-717E	PANEL	FRONT	NSP
	282	220-075F	COVER	ASSY DOOR	
	283	226-104D	DOOR	CST	
	284	442-469A	SPRING	DOOR	
	288	524-013A	MAGNET	ASSY DOOR	
	289	321-718A	BRACKET	ASSY COVER DOOR	
	290	321-719A	BRACKET	ASSY DAMPER	
	291	435-465B	GEAR	ASSY DAMPER(T;60)	-
	300	681-951A	CORD	H03VVH2-F 2X0.75MM LP21R/PE221	
	320	258-596G	PANEL	ASSY DISTRIBUTOR	
	321	257-006A	PLATE	BOTTOM GROUND	
	330	221-834A	COVER	ВОТТОМ	
	340	226-064J	DOOR	CST 8MM	
	341	442-591A	SPRING	DOOR	
	342	340-088A	HOLDER	ASSY P/AMP 8MM	
	OTE	010 000/1	SCREW		
_			1		
	452	353-046C	SCREW	(3X10 FZMY)	
	452	353-051A	SCREW	SPECIAL(3X10 FZMY)	
	459	353-046C	SCREW	(3X10 FZMY)	
	462	353-136A	SCREW	SPECIAL(4.6X12.5 FBK)	
	472	353-090A	SCREW	SPECIAL TP	

3. Packing Accessory Section

RUN DATE: 95.09.27 NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		801	480-657D	INSTRUCTION ASSY		
		802	290-371A	BOX CARTON		
		803	283-217A	PACKING		- /=
		804	291-002D	SHEET CUSHION		NSP
		808	534-008C	BATTERY	AAAM(R03) 1.5V 1PAIR(LOCAL)	
		810	861-505J	CABLE SET ASSY	RF-CABLE ASSY PAL FTZ	

4. Remote Control Section

RUN DATE: 95.09.27
NSP: Not Service Part

s	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		900 597-121E REMOTE CONTR		REMOTE CONTROL	2ND D/DECK ASSY	
		901	236-558A	WINDOW	FILTER	NSP
l		902	03 217-485J CASE		D/D3 R/C	NSP
		903			TOP	NSP
l		904			2ND D/DECK	NSP
		905	275-612A	BUTTON	RUBBER VHS (R/C)	NSP
		906	275-611C	BUTTON	RUBBER 8MM	NSP
		907	515-824E	PWB ASSY!	REMOCON	NSP
		908	442-611A	SPRING	COIL (R/C)	NSP
		909	217-486D	CASE	воттом	NSP
		910	221-857D	COVER	BATTERY	
L		911	477-054A	RUBBER	BUMPON	NSP

5. Fixture Section

RUN DATE: 95.09.27
NSP: Not Service Part

s	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		FIX FIX1 FIX2	960-015J 232-972A 515-789A	FIXTURE BOARD ASSY PWB ASSY	SVC FIXTURE SVC FIXTURE FIXTURE	

CAUTION: The * marks in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. Before replacing any of these components, read carefully the SAFETY PRECAUTIONS and SERVICING PRECAUTIONS in the manual. Do not degrade the safety of the unit through improper servicing.

Tolerance

Symbol	С	J	К	М	N	Z	Р	Α
%	±2	±5	±10	±20	±30	+80 -20	+100 -10	+100 -10

CC, CJ, CK: Capacitor, Ceramic CE: Capacitor, Electrolytic CQ: Capacitor, Polyester

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
			CAPA	CITOR
_	Γ	C001	OCN2230H948	0.022M 25V Z F TA26
	ļ	C002	0CN1040K948	0.1M 50V ZF TA26
	1	C003	0CN2230H948	0.022M 25V Z F TA26
		C004	0CN1040K948	0.1M 50V ZF TA26
		C005	0CN1040K948	0.1M 50V ZF TA26
		C006	0CN2230H948	0.022M 25V Z F TA26
		C007	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C008	0CN2230H948	0.022M 25V Z F TA26
		C009	OCN2230H948	0.022M 25V Z F TA26
		C010	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
	1	C011	OCN1520F668	1500P 16V M X TA26
		C012	0CX3300K408	33P 50V J SL TA26
		C013	0CN2230H948	0.022M 25V Z F TA26
		C014	0CN2710K518	270P 50V KB TA26
		C015	0CE3344K638	0.33M SRA 50V M FM5 TP(5)
		C016	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
		C017	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C018	0CN2230H948	0.022M 25V Z F TA26
		C019	0CX1000K408	10P 50V J SL TA26
		C020	0CX2400K408	24P 50V J SL TA26
		C021	0CN1030F678	0.01M 16V M Y TA26
		C022	0CX2200K408	22P 50V J SL TP26
		C023	0CN1030F678	0.01M 16V M Y TA26
		C024	0CX2200K408	22P 50V J SL TP26
		C025	0CX1500K408	15P 50V J SL TA26
		C026	0CX1800K408	18P 50V J SL TA26
		C027	0CN1030F678	0.01M 16V M Y TA26
		C028	0CX1200K408	12P 50V J SL TA26
	1	C029	0CC0600K015	6P 50V C NPO TS
		C030	0CX3300K408	33P 50V J SL TA26
		C031	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C032	0CN2230H948	0.022M 25V Z F TA26
		C033	0CX2400K408	24P 50V JSL TA26
		C034	0CN1040K948	0.1M 50V ZF TA26
		C201	0CN2230H948	0.022M 25V Z F TA26
		C202	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C203	0CN1030F678	0.01M 16V M Y TA26
	-	C204	0CN1030F678	0.01M 16V M Y TA26
		C205	0CX2700K408	27P 50V J SL TA26
		C206	0CE4743K638	0.47M SRE/S50V M FM5 TP(5)
		C207	0CN1030F678	0.01M 16V M Y TA26 1.0U SRA 50V M FM5 BP TP(D)
		C208	0CE1054K636 0CQ4734K409	0.047U 50V J POLY TE TP
	1	C209	UCQ4/34K4U9	0.0470 30V 3 POLT TE TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C210	0CQ1044K409	0.1U 50V JPOLYTE TP
	1	C211	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
		C212	0CN1210K518	120P 50V KB TA26
		C213	0CN1510K518	150P 50V KB TA26
		C214	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C215	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C216	0CN4720F668	4700P 16V M X TA26
		C217	0CQ4734K409	0.047U 50V J POLY TE TP
		C218	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C219	0CQ2234K409	0.022U 50V J POLY TE TP
		C220	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
		C221	0CQ4734K409	0.047U 50V J POLY TE TP
		C222	0CE1054K636	1.0U SRA 50V M FM5 BP TP(D)
1		C223	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C224	0CE1064F638	10M SRA 16V M FM5 TP(5)
1		C225	0CE4754K638 0CE4754K638 0CE1054K638	4.7M SRA 50V M FM5 TP(5)
		C226	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
		-		
l	1	C228	0CQ4734K409	0.047U 50V J POLY TE TP
١		C229	0CN1030F678	0.01M 16V M Y TA26
		C230	0CQ1221N409	0.0012U 100V J POLY TP
		C231	0CE1054K636	
l		C232	0CQ2234K409	0.022U 50V J POLY TE TP
		C233	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
		C234	0CQ2234K409 0CE4766F638	0.022U 50V J POLY TE TP
1	İ	C235		
1		C236	0CN1030F678	0.01M 16V M Y TA26
1		C237	0CN1030F678	0.01M 16V M Y TA26
ı		C238	0CE4766F638	47M SMS 16V M FM5 TP5
1		C239	0CC2400K415	24P 50V J NPO TP
		C240	0CC2200K415	22P 50V J NPO TS
		C241	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
		C242	0CE4766F638	47M SMS 16V M FM5 TP5
1		C243	OCN2230H948	0.022M 25V ZF TA26
		C244	0CN1020K518	1000P 50V KB TA26
		C245	OCN1020K518	1000P 50V KB TA26
		C246	0CN1030F678	0.01M 16V M Y TA26
1	1	C247	0CN1030F678	0.01M 16V M Y TA26
		C248	0CN1030F678	0.01M 16V M Y TA26
	1	C249	0CN1030F678	0.01M 16V M Y TA26
1		C250	0CE2273C638	220M SRE 6.3V M FM5 TP(5)
		C251	0CN1030F678	0.01M 16V M Y TA26
		C252	OCE4766F638	47M SMS 16V M FM5 TP5
		C253	0CN1030F678	0.01M 16V M Y TA26 GOLD 0.047F-5.5V D13.0X8.5 NEC
L		C254	624-027A	GULD 0.04/F-5.5V D13.0A6.5 NEC

S AL LOCANO PART NO(SS) SPECIFICATION S AL LOCANO PART NO(SS) SPECIFICATION C289 C0E10797638 C290 C0E207038 C290 C0E207038 C290 C0E207038 C290 C0E						_	Т			RUN DATE : 95.09.2
C259	S	AL		PART NO(GS)		S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
C.259								C327	0CN1030F678	0.01M 16V M Y TA26
C259 OCCESSAGE C261 MS STATE C270 OCCESSAGE C271 OCCESSAGE C271 OCCESSAGE C271 OCCESSAGE C271 OCCESSAGE C271 OCCESSAGE C271 OCCESSAGE C272 OCCESSAGE C272 OCCESSAGE C273 OCCESSAGE C274 OCCESSAGE C274 OCCESSAGE C275 OC			1	0CE1074F638						
C259 C2610 C261046688 C2611 C2620 C262746688 C2611 C2620 C262746688 C2611 C2620 C262746688 C2621 C262746688 C2621 C262746688 C26274 C262746688 C26274 C2				0CE2273C638	220M SRE 6.3V M FM5 TP(5)			C329		47M SMS 16V M FMS TDS
C289 COCA936F838 C283 COCA936F838 C283 COCA936F838 C283 COCA936F838 C283 COCA936F838 C283 COCA936F838 C283 COCA936F838 C283 COCA936F838 C283 C283 COCA936F838 C283 C283 C283 C283 C283 C283 C283 C				0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)					1 OM SREISESON MEME TO(S)
C280 CCR-976F688 C281 CCR-976F688 C281 CCR-976F688 C282 CCR-976F688 C283 CCR-976F688 C283 CCR-976F688 C283 CCR-976F688 C283 CCR-976F688 C283 CCR-976F688 C283 CCR-976F688 C283 CCR-976F688 C283 CCR-976F688 C283 CCR-976F688 C283 CCR-976F688 C283 CCR-976F688 C284 CCR-976F688 C284 CCR-976F688 C284 CCR-976F688 C284 CCR-976F688 C284 CCR-976F688 C284 CCR-976F688 C284 CCR-976F688 C285			C259	0CQ8221N409	0.0082U 100V JPOLY TP					24P 50V 1SI TA26
C281 C0240 C0CH009F678			C260	0CE4766F638						
C282 OCE4796F683 C283 OCN10096F78 C286 OCN10096F78 C286 OCN10096F78 C286 OCN10096F78 C286 OCN10096F78 C287 OCN10096F78 C288 C287 OCN10096F78 C288 C287 OCN10096F78 C288 C271 OCE1096F688 C287 OCE1096F688 C287 OCE1096F688 C287 OCE1096F688 C287 OCE1096F688 C287 OCE1096F688 C287 OCE1096F688 C287 OCE1096F688 C287 OCE1096F688 C287 OCN10096F78 C288 OCE1096F688 OCE1096F688 OCE1096F688 OCE1096F688 OCE1096F688 OCE1096F688 OCE1096F689 OCE1096		ĺ	C261	0CN1030F678						ATM CMC 46V M CME TOE
C283 CCN1000F678 C296 CCN1000F678 C071 CON1000F678 C071 CON1000F678 C071 CON1000F678 C071 CON1000F678 C071 CCN1000F678 C071 C071 CCN1000F678 C071 C071 C071 C071 C071 C071 C071 C071 C071 C071 C071 C071			C262	0CE4766F638						0.01M 16V M V TAGE
C284 COCHIOGNERS C286 CCR COCHIOGNERS C287 COCHIOGNERS C288 C288 C288 C289 COCHIOGNERS C288 C289 C287 C			C263	0CN2210K518						
C286 CCN1000F698 O.1M For W Y TA28 C287 CCR2676F638 ATM SMS 16V M FMS TP5 C276 CCCR2676F638 ATM SMS 16V M FMS TP5 C277 CCCR2676F638 ATM SMS 16V M FMS TP5 C277 CCCR276 CCCR276 CCCR277 CCCR276 CCCR277 CCCR276 CCCR277 CCCCR277 CCCCCR277 CCCCCR277 CCCCCR277 CCCCCR277 CCCCCR277 CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC			C264	0CN1030F678						
C2291 COCH0064638			C266	0CN1040K948						
C288			C267							
C271			C268							3.3M SRA 50V M FM5 TP(5)
C273 OCM-739K9489 OCM-739K949										0.047M 50V Z F TA26
C275 C0CH4796F638 47M SMS 15V M FM5 TP5 C276 C277 C0CN1010KS18 100P 50V K B TA26 C276 C277 C0CN1010KS18 100P 50V K B TA26 C278 C0CN1010KS18 100P 50V K B TA26 C278 C0CN1010KS18 100P 50V K B TA26 C279 C0CN1010KS18 100P 50V K B TA26 C279 C0CN1010KS18 100P 50V K B TA26 C279 C0CN1010KS18 100P 50V K B TA26 C279 C270 C0CN1010KS18 100P 50V K B TA26 C279 C270 C0CN1010KS18 100P 50V K B TA26 C279 C270 C0CN1010KS18 100P 50V K B TA26 C279 C270 C0CN1010KS18 100P 50V K B TA26 C279 C270 C0CN1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C270 C0CN1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C270 C0CN1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C270 C0CN1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C270 C0CN1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C270 C0CN1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CN1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CN1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CN1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CN1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CN1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CN1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CN1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CN1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CH1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CH1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CH1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CH1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CH1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CH1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CH1010KS18 10 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CF4766F638 47M SMS 15V M FM5 TP5 C270 C0CF4766F	- 1				0.047M 50V 7 E TAGE					0.1M SRE 50V M FM5 TP(5)
C275		- 1								4.7M SRA 50V M FM5 TP(5)
C276	- 1									3.3M SRA 50V M FM5 TP(5)
C277							- 1			2.2M SRE 50V M FM5 TP(5)
C278 C278 C279 C0CH006F678 C280 C0CH0069F678 C280 C0CH0069F678 C280 C0CH0069F678 C280 C280 C0CH0069F678 C280 C280 C0CH0069F678 C380 C2										10M SRA 16V M FM5 TP(5)
C279 C279 CC47696-038 CC291 CC1010409649 C281 C281 C281 C281 C282 C282 C282 C284									0CX3900K408	39P 50V JSL TA26
C280									0CE4743K638	0.47M SRE/S50V M FM5 TP(5)
C281								1		1000P 50V KB TA26
C298							- 1	C352	0CE2246K638	0.22M SMS 50V M FM5 TP(5)
C299					4/M SMS 16V M FM5 TP5			C353	0CN1510K518	150P 50V KB TA26
C2A1 OCN1040K948 OLTM 50V ZF TA26 C2A2 OCN1040K948 OLTM 50V ZF TA26 C2A3 OCN1040K948 OLTM 50V ZF TA26 C2A3 OCN1040K948 OLTM 50V ZF TA26 C359 OCN1030F678 OLTM 16V M Y TA26 C359 OCN1030F678 OLT	- 1				47M SMS 50V M FM5 TP		- 1	C354	0CE1053K638	
C2A2		- 1	1					C355	0CN2230H948	
C2A2 C2A3 CCN110309678 CONIM 15V M Y TA26 C3A5 CCN110309678 C3A5 CAN10309678	- 1							C357	0CN1030F678	0.01M 16V M Y TA26
C301							- 1	C358	0CN1030F678	
C301 C0.11030F678 C0.11M 16V M Y 1A26 C361 C0.11030F678 C301 C0.11030F678 C302 C0.11030F678 C303 C0.4700K408 C306 C362 C362 C3634K638 C363 C36330K608 C362 C3634K638 C363 C36330K608 C363 C36330K608 C363 C36330K608 C363 C36330K608 C363 C36330K608 C363 C36330K608 C363 C36330K608 C363 C36330K608 C363 C3635 C3634 C36330K608 C3635		- 1						C359	0CE4775F638	470M SR 16V M FM5 TP(5)
C303	- [C360	0CN1030F678	0.01M 16V M Y TA26
C308								C361	0CX0100K608	1.0P 50V M SL TA(26)
C30B CCN1040K948 C30C CON1040K948 C30C C36C C3		-						C362	0CE3354K638	3.3M SRA 50V M FM5 TP(5)
C30C					4/M SMS 16V M FM5 TP5			C363	0CN1210K518	120P 50V KB TA26
C30E								C364	0CX3300K408	
C30F C30F C30F C30F C30F C30F C30F C30F		-	1					C365	0CE4754K638	
C30F C30F C30F C30F C30F C30F C30F C30F								C366	0CN1040K948	0.1M 50V ZF TA26
C300 OCN10309678 OLM September C301 OCN10309678 OLM September C302 OCN10309678 OLM September C303 OCN10309678 OLM September C303 OCN10309678 OLM September C303 OCN10309678 OLM September C303 OCN10309678 OLM September C304 OCN10309678 OLM September C305 OCN10309678 OLM September C305 OCN10309678 OLM September		- 1			47M SMS 16V M FM5 TP5		- 1	C367	0CQ6831N409	0.068U 100V JPOLY TP
C30J C0X3300K408 C30K	i	- 1						C368	0CE4743K638	
C30L C30K C30K C30K C30L C30C0500K115 5P 50V D NP0 TS C30L	- 1	- 1						C369	0CE2246K638	0.22M SMS 50V M FM5 TP(5)
C30L OCN1030F678 C30M OCN1030F678 O.01M 16V M Y TA26 C372 OCN1030F678 O.01M 16V M Y TA26 C372 OCN1030F678 O.01M 16V M Y TA26 C372 OCN1030F678 OCN4710K518 C316 OCN1030F678 O.01M 16V M Y TA26 C316 OCN1030F678 O.01M 16V M Y TA26 C316 OCN1030F678 OCN								C370	0CE4775F638	
C30M C0N1030F678 O.01M 16V M Y TA26 O.01M 16V M Y TA26 O.01M 16V M Y TA26 O.01M 16V M Y TA26 O.01M 16V M Y TA26 O.01M 16V M Y TA26 O.01M 16V M Y TA26 O.01M 16V M Y TA26 O.01M 16V M Y TA26 O.01M 16V M Y TA26 O.01M 16V M Y TA26 O.01M 16V M Y TA26 O.01M 16V M Y TA26 O.01M 16V M Y TA26 O.01M 16V M Y TA26 O.01M 16V M Y TA26 O.024766F638 O.01M 16V M Y TA26 O.024766F638 O.01M 16V M Y TA26 O.024766F638 O.01M 16V M Y TA26 O.01					5P 50V D NP0 TS			C371	0CN1030F678	
C30M					0.01M 16V M Y TA26		- 1			
C30N										470P 50V KB TA26
C312	- 1		_							
C315 OCN1030F678 O		- 1			33P 50V JSL TA26			1		47M SMS 16V M FM5 TP5
C315					47M SMS 16V M FM5 TP5					0.47M SRE/S50V M FM5 TD/5\
C316		- 1	_				- 1			0.022M 25V 7 F TA26
C317 C318 C318 C31A CCN1030F678 C31C C31C C31E CCN1030F678 C31L C31E C31E C31B CCN1030F678 C31L C31B CCN1030F678 C31L C31B CCN1030F678 C31C C31C C31C C31C C31C C31C C31C C31			_				- 1	- 1		18P 50V J.SI TA26
C318										4.7M SBA 50V M FM5 TD/5)
C31A			1				- 1			0.047M 50V 7 F TAGE
C31C		- 1								
C31E		- 1		0CN8200K518	82PF 50V K B TA26					
C31H OCE4766F638 47M SMS 16V M FM5 TP5 C399 OCN1030F678 OCX1000K408 10P 50V J SL TA26 C3A0 OCX1000K408 12P 50V J SL TA26 OCX1000K408 12P 50V J SL TA26 OCX1000K408 OCX1000		- 1	C31E	0CN1030F678						
C31J		(C31H	0CE4766F638						O OTM ASV M V TACC
C31K			C31J (0CX1000K408						
C31L					12P 50V J SL TA26					OOM 40V H V TICE
C320					, ,					
C322							1			
C323		- 1					- 1			4/M SMS 16V M FM5 TP5
C324		(
C325 OCN1030F678 0.01M 16V M Y TA26 C3A7 OCN1030F678 0.1M 50V Z F TA26										U.UIM 16V M Y TA26
1 C326 0CN1030E679 0 0144 46V ALV TACO				1					CN1030F6/8	U.UIM 16V M Y TA26
				OCN1030F678	0.01M 16V M Y TA26					U.IM SUV ZF TA26
							_ `	, over	~E4/44/036	U.47M SHA SUV M FM5 TP(5)

							,		RUN DATE : 95.09.27
s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
П		C3B0	0CE4744K638	0.47M SRA 50V M FM5 TP(5)			C3K2	0CQ8221N409	0.0082U 100V J POLY TP
		C3B1	0CN2230H948	0.022M 25V Z F TA26			C401	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C3B2	0CE2254K638	2.2M SRA 50V M FM5 TP(5)			C402	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C3B3	0CN1210K518	120P 50V KB TA26			C403	0CN1040K948	0.1M 50V ZF TA26
1		C3B4	0CC0600K015	6P 50V C NPO TS			C404	0CN1040K948	0.1M 50V ZF TA26
		C3B5	0CX1000K408	10P 50V JSL TA26			C405	0CE1064F638	10M SRA 16V M FM5 TP(5)
1		C3B6	0CE4766F638	47M SMS 16V M FM5 TP5	1		C406	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C3B7	0CN1030F678	0.01M 16V M Y TA26			C407	0CE1064F638	10M SRA 16V M FM5 TP(5)
1		C3B8	0CC3900K415	39P 50V J NPO TP	1		C408	0CE1064F638	10M SRA 16V M FM5 TP(5)
l		C3B9	0CN2230H948	0.022M 25V Z F TA26			C409	0CE2266F638	22M SMS 16V M FM5 TP5
1		C3C0	0CN2230F1948	0.01M 16V M Y TA26			C410	0CN1040K948	0.1M 50V Z F TA26
	1	C3C1	0CN1040K948	0.1M 50V ZF TA26	ŀ		C411	0CE1064F638	10M SRA 16V M FM5 TP(5)
1		C3C2	0CE4766F638	47M SMS 16V M FM5 TP5			C412	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
ı		C3C3		0.022M 25V Z F TA26			C413	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C3C4	0CN2230H948	0.1M SRA 50V M FM5 TP(5)			C414	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
			0CE1044K638		-		C415	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
	}	C3C5	0CN1030F678	0.01M 16V M Y TA26	1		1	0CE1064F638	10M SRA 16V M FM5 TP(5)
1		C3C6	0CN1030F678	0.01M 16V M Y TA26			C416		
		C3C7	0CE1064F638	10M SRA 16V M FM5 TP(5)			C417	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C3C8	0CN1030F678	0.01M 16V M Y TA26			C418	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C3C9	0CN1040K948	0.1M 50V ZF TA26			C419	0CE1064F638	10M SRA 16V M FM5 TP(5)
1	1	C3E0	0CX1500K408	15P 50V J SL TA26			C420	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C3E1	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)		1	C422	0CE1064F638	10M SRA 16V M FM5 TP(5)
1		C3E2	0CE4754K638	4.7M SRA 50V M FM5 TP(5)			C423	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C3E3	0CE4766F638	47M SMS 16V M FM5 TP5	- 1		C424	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C3E4	0CN1040K948	0.1M 50V ZF TA26			C425	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
1		C3E5	0CE4754K638	4.7M SRA 50V M FM5 TP(5)			C426	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
1	1	C3E6	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C427	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C3E7	0CN2230H948	0.022M 25V Z F TA26			C428	0CE2274F638	220M SRA 16V M FM5 TP(5)
		C3E8	0CE4766F638	47M SMS 16V M FM5 TP5			C429	0CE2266F638	22M SMS 16V M FM5 TP5
		C3E9	0CN3310K518	330P 50V K B TA26			C430	0CE3366F638	33M SMS 16V M FM5 TP(5)
		C3F0	0CN1030F678	0.01M 16V M Y TA26			C431	0CE1064F638	10M SRA 16V M FM5 TP(5)
1		C3F1	0CX2200K408	22P 50V J SL TP26			C432	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C3F2	0CE1044K638	0.1M SRA 50V M FM5 TP(5)			C433	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
1		C3F3	0CN1010K518	100P 50V KB TA26	-		C434	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
1		C3F4	0CX1200K408	12P 50V J SL TA26			C435	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
1		C3F5	0CX6800K408	68P 50V J SL TA26			C436	0CE2274F638	220M SRA 16V M FM5 TP(5)
1		C3F6	0CN1030F678	0.01M 16V M Y TA26			C437	0CN2230H948	0.022M 25V Z F TA26
1	1	C3F7	0CN1010K518	100P 50V KB TA26			C438	0CN2230H948	0.022M 25V Z F TA26
	1	C3F8	0CN1020K518	1000P 50V KB TA26			C439	0CE2274F638	220M SRA 16V M FM5 TP(5)
1		C3F9	0CE4754K638	4.7M SRA 50V M FM5 TP(5)			C440	0CE4766F638	47M SMS 16V M FM5 TP5
1		C3G0	0CN8200K518				C441	0CN1040K948	0.1M 50V ZF TA26
		C3G1	0CN3910K518	390P 50V KB TA26			C442	0CQ1231N409	0.012U 100V J POLY TP
İ		C3G2	0CE1064F638	10M SRA 16V M FM5 TP(5)			C443	0CQ1031N409	0.01UF 100V J PE TP
				1500P 16V M X TA26			C444	0CN1030F678	0.01M 16V M Y TA26
		C3G3	0CN1520F668		1		C445	0CE4766F638	47M SMS 16V M FM5 TP5
1		C3G4	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C445	0CQ1031N409	0.01UF 100V J PE TP
		C3G5	0CE4766F638	47M SMS 16V M FM5 TP5 0.022M 25V Z F TA26			C446	0CN1030F678	0.01M 16V M Y TA26
		C3G6 C3G7	0CN2230H948				C447	0CE1074F638	100U SRA 16V M FM5 TP(5)
1			0CE4766F638	47M SMS 16V M FM5 TP5			C449	0CQ1031N409	0.01UF 100V J PE TP
1		C3G8	0CN2230H948	0.022M 25V Z F TA26			C449	0CE2266F638	22M SMS 16V M FM5 TP5
1		C3G9	0CN1030F678	0.01M 16V M Y TA26					10M SRA 16V M FM5 TP(5)
		C3H0	0CN4710K518	470P 50V KB TA26			C451	0CE1064F638	
		C3H1	0CE4766F638	47M SMS 16V M FM5 TP5			C452	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C3H2	0CN2230H948	0.022M 25V Z F TA26			C453	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C3H3	0CN2230H948	0.022M 25V Z F TA26			C454	0CN1040K948	0.1M 50V ZF TA26
1		C3H4	0CE4766F638	47M SMS 16V M FM5 TP5			C455	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C3H5	0CC0400K015	4P 50V C NPO TS			C456	0CN1040K948	0.1M 50V ZF TA26
1		C3H6	0CX2200K408	22P 50V J SL TP26			C457	0CQ8221N409	0.0082U 100V J POLY TP
		C3H7	0CE4754K638	4.7M SRA 50V M FM5 TP(5)		1	C458	0CE2266F638	22M SMS 16V M FM5 TP5
1		C3H8	0CN1030F678	0.01M 16V M Y TA26			C459	0CE3366F638	33M SMS 16V M FM5 TP(5)
		C3H9	0CN1040K948	0.1M 50V ZF TA26			C460	0CN3910K518	390P 50V KB TA26
		C3K0	0CE1064F638	10M SRA 16V M FM5 TP(5)	1		C461	0CQ5631N409	0.056U 100V J POLY TP
1		C3K1	0CX4700K408	47P 50V J SL TA26			C462	0CQ3331N409	0.033U 100V J POLY TP
1		1				- 1			

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S	AL	LOCA.NO			S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C463	0CN2210K518	220P 50V KB TA26			C4B4	0CN1020K518	1000P 50V KB TA26
	ĺ	C464	0CN1030F678	0.01M 16V M Y TA26	1		C4B5	0CN1020K518	1000P 50V KB TA26
		C465	0CE1074F638	100U SRA 16V M FM5 TP(5)			C4B6	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C466	0CE4754K638	4.7M SRA 50V M FM5 TP(5)			C4B7	0CN4710K518	470P 50V KB TA26
l		C467	0CQ1031N409	0.01UF 100V J PE TP			C4B8	0CN1030F678	0.01M 16V M Y TA26
		C468	0CE1076F638	100M SMS 16V M FM5 TP(5)			C4B9	0CK3320K515	3300P 50V KB TS
		C469	0CN2230H948	0.022M 25V Z F TA26	1 1		C4C0	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
		C470	0CE1064F638	10M SRA 16V M FM5 TP(5)			C4C1	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C471	0CE1064F638	10M SRA 16V M FM5 TP(5)			C4C2	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C472 C473	0CQ1231N409	0.012U 100V JPOLY TP			C4C3	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
l		C473	0CN1030F678	0.01M 16V M Y TA26			C4C4	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C475	0CE4754K638 0CN2710K518	4.7M SRA 50V M FM5 TP(5)	1		C4C5	0CN4710K518	470P 50V KB TA26
		C476		270P 50V KB TA26			C4C6	0CN1030F678	0.01M 16V M Y TA26
		C477	0CE4744K638 0CN1030F678	0.47M SRA 50V M FM5 TP(5)	1		C4C7	0CK3320K515	3300P 50V KB TS
		C478	0CE1064F638	0.01M 16V M Y TA26			C4C8	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C479	0CN1030F678	10M SRA 16V M FM5 TP(5)			C4C9	0CN1020K518	1000P 50V KB TA26
		C480	0CN1030F678	0.01M 16V M Y TA26			C4E0	0CN1020K518	1000P 50V KB TA26
		C481	0CE1074F638	0.01M 16V M Y TA26			C4E1	0CE4766F638	47M SMS 16V M FM5 TP5
		C482	0CN1030F678	100U SRA 16V M FM5 TP(5)		- 1	C4E2	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
		C483	0CN1030F678	0.01M 16V M Y TA26			C4E3	0CE3366F638	33M SMS 16V M FM5 TP(5)
		C484	0CN1040K948	0.1M 50V ZF TA26	1 1	İ	C4E4	0CN1520F668	1500P 16V M X TA26
		C485	0CE2274F638	0.01M 16V M Y TA26			C4E5	0CN2220F668	2200P 16V M X TA26
		C486	0CE4754K638	220M SRA 16V M FM5 TP(5) 4.7M SRA 50V M FM5 TP(5)			C4E6	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C487	0CN1030F678	0.01M 16V M Y TA26		- 1	C4E7	0CN1020K518	1000P 50V KB TA26
		C488	0CQ1231N409	0.012U 100V J POLY TP			C4E8	OCN1020K518	1000P 50V KB TA26
		C489	0CE1064F638	10M SRA 16V M FM5 TP(5)		-	C4E9	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
	İ	C490	0CE1064F638	10M SRA 16V M FM5 TP(5)			C4F0	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C491	0CQ1031N409	0.01UF 100V J PE TP			C4F1	0CX3300K408	33P 50V J SL TA26
		C492	0CE4754K638	4.7M SRA 50V M FM5 TP(5)			C4F2	0CN1030F678	0.01M 16V M Y TA26
		C493	0CQ1031N409	0.01UF 100V J PE TP			C4F3	0CN1220F668	1200P 16V M X TA26
- 1	- 1	C494	0CQ1031N409	0.01UF 100V J PE TP			C4F4	0CE4766F638	47M SMS 16V M FM5 TP5
	- 1	C495	0CN2230H948	0.022M 25V Z F TA26		- 1	C4F5 C4F6	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C496	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C4F7	OCN2230H948	0.022M 25V Z F TA26
		C497	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C4F8	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
			0CE4764F638	47M SRA/SS 16V M FM5 TP(5)				0CN1220F668 0CE1064F638	1200P 16V M X TA26
ļ			0CE4766F638	47M SMS 16V M FM5 TP5			C4G1	0CE1064F638	10M SRA 16V M FM5 TP(5)
- 1		C4A0	0CN1030F678	0.01M 16V M Y TA26				0CN2230H948	10M SRA 16V M FM5 TP(5)
		C4A1	0CE4766F638	47M SMS 16V M FM5 TP5(VHS)				0CN1030F678	0.022M 25V Z F TA26
		C4A1	0CN1030F678	0.01M 16V M Y TA26(8mm)				0CN1040K948	0.01M 16V M Y TA26
	- 1	C4A2	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)				0CN1040K948	0.1M 50V ZF TA26
		C4A3	0CN1030F678	0.01M 16V M Y TA26(8mm)				0CX1800K408	0.1M 50V ZF TA26 18P 50V JSL TA26
1		C4A3	0CN1510K518	150P 50V K B TA26(VHS)				0CX2200K408	18P 50V J.SL TA26 22P 50V J.SL TP26
ı			0CE1054K638	1M SRA/SS50V M FM5 TP(5)(8mm)				0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
	- 1		0CN1510K518	150P 50V K B TA26(VHS)				0CN1040K948	0.411 = 0.4 = = -
		_	0CE1074F638	100U SRA 16V M FM5 TP(5)(VHS)		- 1		0CN1040K948	0.1M 50V ZF TA26 0.1M 50V ZF TA26
	- [0CX3300K408	33P 50V J SL TA26(8mm)	1	- 1		OCN1020K518	1000P 50V KB TA26
	- 1		0CN1020K518	1000P 50V KB TA26(8mm)				OCN1040K948	0.1M 50V ZF TA26
		- 1	0CN1040K948	0.1M 50V ZFTA26(VHS)				OCN1030F678	0.01M 16V M Y TA26
- [- 1		OCN1020K518	1000P 50V KB TA26				OCN1040K948	0.1M 50V ZF TA26
	- 1	_	0CE1054K638	1M SRA/SS50V M FM5 TP(5)(8mm)	1			OCE4766F638	47M SMS 16V M FM5 TP5
- 1	- 1		0CN1040K948	0.1M 50V ZFTA26(VHS)				CN1040K948	0.1M 50V ZF TA26
	- 1		0CN1040K948	0.1M 50V ZFTA26(VHS)		- 1		CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
			0CN2220F668	2200P 16V M X TA26(8mm)				CE4766F638	47M SMS 16V M FM5 TP5
		_	0CN1520F668	1500P 16V M X TA26		,		CN1040K948	0.1M 50V ZF TA26
		- 1	OCE3366F638	33M SMS 16V M FM5 TP(5)(8mm)			1		0.01M 16V M Y TA26
	- 1	_	OCN1030F678	0.01M 16V M Y TA26(VHS)				CN1040K948	0.1M 50V ZF TA26
-				2.2M SRA 50V M FM5 TP(5)(8mm)					0.1M 50V ZF TA26
			DCE4766F638	47M SMS 16V M FM5 TP5 (VHS)					0.1M 50V ZF TA26
			CE4754K638	4.7M SRA 50V M FM5 TP(5)					0.1M 50V ZF TA26
	- 1		OCN1040K948	0.1M 50V ZFTA26					47M SMS 16V M FM5 TP5
	1	C4B4 (DCE1074F638	100U SRA 16V M FM5 TP(5)					0.01M 16V M Y TA26

					_	,			HUN DATE : 95.09.27
s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C523	0CN4730K948	0.047M 50V Z F TA26			C703	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
1		C524	0CE4766F638	47M SMS 16V M FM5 TP5	ı		C704	0CN1040K948	0.1M 50V Z.F TA26
1 1		C525	0CE4766F638	47M SMS 16V M FM5 TP5		1	C705	0CN1040K948	0.1M 50V ZF TA26
		C526	0CN6820F668	6800P 16V M X TA26	-		C707	0CN2230H948	0.022M 25V Z F TA26
1 1		C527	0CN1040K948	0.1M 50V ZF TA26	1		C709	0CN2230H948	0.022M 25V Z F TA26
		C528	0CN1020K518	1000P 50V KB TA26	-		C710	0CE1074F638	100U SRA 16V M FM5 TP(5)
		C529	0CN6820F668	6800P 16V M X TA26	- 1		C711	0CN2230H948	0.022M 25V Z F TA26
		C530	0CN1040K948	0.1M 50V ZF TA26			C712	0CN1040K948	0.1M 50V ZF TA26
1		C530	0CN1040K548	1000P 50V KB TA26			C713	0CN1040K948	0.1M 50V ZF TA26
				47M SMS 16V M FM5 TP5	ı		C714	0CC1200K415	12P 50V JNP0 TS
1 1		C532	0CE4766F638	4.7M SRA 50V M FM5 TP(5)			C716	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
		C533	0CE4754K638 0CN1040K948	0.1M 50V ZF TA26			C717	0CN4730K948	0.047M 50V Z F TA26
		C534		0.1M 50V ZF TA26	- 1		C718	0CE4766F638	47M SMS 16V M FM5 TP5
		C535	0CN1040K948				C719	0CN2230H948	0.022M 25V Z F TA26
1 1		C536	0CE2266F638	22M SMS 16V M FM5 TP5			C719	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
		C537	0CN1030F678	0.01M 16V M Y TA26			C720	0CN6810K518	680P 50V KB TA26
		C538	0CN1030F678	0.01M 16V M Y TA26			1		
1 1		C539	0CK3320K515	3300P 50V KB TS			C722	0CE1074F638	100U SRA 16V M FM5 TP(5)
		C540	0CK3320K515	3300P 50V KB TS		-	C724	0CN2230H948	0.022M 25V Z F TA26
		C541	0CK3320K515	3300P 50V KB TS	- 1		C725	0CX4700K408	47P 50V JSL TA26
		C542	0CE4766F638	47M SMS 16V M FM5 TP5			C726	0CE4766F638	47M SMS 16V M FM5 TP5
1		C544	0CE4766F638	47M SMS 16V M FM5 TP5			C727	0CN2230H948	0.022M 25V Z F TA26
		C545	0CN1040K948	0.1M 50V ZF TA26			C728	0CX2200K408	22P 50V J SL TP26
		C546	0CN1040K948	0.1M 50V ZF TA26		1	C729	0CN2230H948	0.022M 25V Z F TA26
		C547	0CN1030F678	0.01M 16V M Y TA26			C730	0CE4766F638	47M SMS 16V M FM5 TP5
		C548	0CN2710K518	270P 50V KB TA26			C740	0CE2274F638	220M SRA 16V M FM5 TP(5)
		C549	0CQ8221N409	0.0082U 100V J POLY TP			C741	0CC2700K415	27P 50V J NP0 TP
		C550	0CN1020K518	1000P 50V KB TA26			C742	0CE4766F638	47M SMS 16V M FM5 TP5
		C551	0CN2230H948	0.022M 25V Z F TA26			C743	0CN2230H948	0.022M 25V Z F TA26
		C552	0CE4766F638	47M SMS 16V M FM5 TP5			C744	0CE4766F638	47M SMS 16V M FM5 TP5
		C553	0CC1000K015	10P 50V CNP0 TS			C745	0CN1040K948	0.1M 50V Z F TA26
1		C554	0CC1000K015	10P 50V CNP0 TS			C747	0CE4766F638	47M SMS 16V M FM5 TP5
		C555	0CN1040K948	0.1M 50V ZF TA26			C748	0CN1040K948	0.1M 50V Z.F TA26
		C556	0CN2230H948	0.022M 25V Z F TA26			C749	OCN3910K518	390P 50V KB TA26
		C557	0CE4766F638	47M SMS 16V M FM5 TP5	- 1		C750	0CN3910K518	390P 50V KB TA26
1		C558	0CN4710K518	470P 50V KB TA26			C751	0CQ6821N409	0.0068U 100V J POLY TP
		C559	0CN4710K518	470P 50V KB TA26			C752	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C560	0CN1040K948	0.1M 50V ZF TA26			C753	0CQ6821N409	0.0068U 100V J POLY TP
1		C561	0CN1040K948	0.1M 50V ZF TA26			C754	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C562	0CQ4721N409	0.0047U 100V J POLY TP			C756	0CN2230H948	0.022M 25V Z F TA26
		C563	0CX1200K408	12P 50V J SL TA26			C757	0CE4766F638	47M SMS 16V M FM5 TP5
		C564	0CN1030F678	0.01M 16V M Y TA26			C759	0CE3354K638	3.3M SRA 50V M FM5 TP(5)
		C565	0CN1040K948	0.1M 50V ZF TA26	- 1		C760	0CN1040K948	0.1M 50V ZF TA26
	l	C566	0CN1030F678	0.01M 16V M Y TA26	ı		C761	0CN4710K518	470P 50V KB TA26
		C567	0CN1030F678	0.01M 16V M Y TA26		1	C762	0CN4710K518	470P 50V KB TA26
1		C568	0CN1030F678	0.01M 16V M Y TA26			C763	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C569	0CX5600K408	56P 50V J SL TA26			C764	OCN1040K948	0.1M 50V ZF TA26
1		C601	0CN1040K948	0.1M 50V ZF TA26			C765	0CN1030F678	0.01M 16V M Y TA26
1	1	C602	0CN1040K948	0.1M 50V ZF TA26			C766	0CC1200K415	12P 50V J NPO TS
1		C603	0CX1800K408	18P 50V JSL TA26			C767	0CC1200K415	12P 50V J NP0 TS
1		C604	0CN1040K948	0.1M 50V ZF TA26			C768	0CE4766F638	47M SMS 16V M FM5 TP5
1		C605	0CE4754H638	4.7M SRA 25V M FM5 TP(5)			C769	0CN2230H948	0.022M 25V Z F TA26
ļ	1	C606	0CE4754H638	47M SMS 16V M FM5 TP5			C770	0CN2230F1948	47M SMS 16V M FM5 TP5
1)		
1		C607	0CE2264F638	22M SRA 16V M FM5 TP(5)			C772	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
1		C608	0CN1020K518	1000P 50V KB TA26			C773	0CN2230H948	0.022M 25V Z F TA26
1	1	C609	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C774	0CN1040K948	0.1M 50V ZF TA26
	-	C610	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C775	0CN1040K948	0.1M 50V ZF TA26
		C611	0CE2254K638	2.2M SRA 50V M FM5 TP(5)			C776	0CN1040K948	0.1M 50V Z F TA26
1		C612	0CN1010K518	100P 50V KB TA26			C779	0CE2274F638	220M SRA 16V M FM5 TP(5)
1		C613	0CN1040K948	0.1M 50V ZF TA26			C780	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
1		C614	0CN1040K948	0.1M 50V ZF TA26	[C781	0CE4766F638	47M SMS 16V M FM5 TP5
1		C615	0CN1020K518	1000P 50V KB TA26			C782	0CN1040K948	0.1M 50V Z F TA26
		C616	0CN1040K948	0.1M 50V ZF TA26			C785	0CE4766F638	47M SMS 16V M FM5 TP5
					· L		1		

			PART NO(GS)	SPECIFICATION	S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C801	0CE4766F638	47M SMS 16V M FM5 TP5			C890	0CX6800K408	68P 50V J SL TA26
		C802	0CN1030F678	0.01M 16V M Y TA26			C892	0CN1040K948	0.1M 50V ZF TA26
. 1		C803	0CN1040K948	0.1M 50V ZF TA26			C901	0CH1223K516	0.022U 50V K B 2.0X1.2 R/TP
		C804	0CX6800K408	68P 50V J SL TA26			C903	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C805	0CN1030F678	0.01M 16V M Y TA26		1	C904	0CH4101K416	100P 50V J NP0 2.0*1.25 R/TP
		C808	0CX6800K408	68P 50V J SL TA26			C905	0CH4270K416	27P 50V J COG 2.0X1.2 R/TP
- 1	ı	C813	0CN1030F678	0.01M 16V M Y TA26		1	C906	0CH4561K416	560PF 50V J NP0 2012 R/TP
		C814	0CE4766F638	47M SMS 16V M FM5 TP5			C907	0CH4270K416	27P 50V J COG 2.0X1.2 R/TP
		C815	0CE1064F638	10M SRA 16V M FM5 TP(5)		1	C908	0CE1074F638	100U SRA 16V M FM5 TP(5)
		C816	0CQ1021N409	0.001U 100V J POLY TP		l	C909	0CN1030F678	0.01M 16V M Y TA26
	ı	C817	0CQ3321N409	0.0033U 100V J POLY TP	1		C910	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
1		C818	0CQ3321N409	0.0033U 100V J POLY TP			C911	0CN1030F678	0.01M 16V M Y TA26
		C819	0CQ6831N409	0.068U 100V J POLY TP			C912	0CH4121K416	120P 50V J NP0 2.0X1.2 R/TP
		C820	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C914	0CE1044K638	O 1M SPA SOV M THE TOPE
		C821	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C915	0CH4330K416	0.1M SRA 50V M FM5 TP(5)
		C822	OCN1010K518	100P 50V KB TA26			C916	0CH1223K516	33P 50V J C 2.0X1.2 R/TP
	- 1	C823	0CE1064F638	10M SRA 16V M FM5 TP(5)			C917	0CN2230H948	0.022U 50V K B 2.0X1.2 R/TP
		C824	0CE4766F638	47M SMS 16V M FM5 TP5			C918	0CE2244K638	0.022M 25V Z F TA26
		C825	0CN1030F678	0.01M 16V M Y TA26			C918		0.22M SRA 50V M FM5 TP(5)
- 1	1	C826	0CE1076F638	100M SMS 16V M FM5 TP(5)				0CH4390K416	39P 50V J COG 2.0X1.2 R/TP
		C827	0CE4766F638	47M SMS 16V M FM5 TP5			C920 C921	0CH4390K416	39P 50V J COG 2.0X1.2 R/TP
		C828	0CX3300K408	33P 50V JSL TA26				0CE2244K638	0.22M SRA 50V M FM5 TP(5)
		C829	0CX2200K408	22P 50V J SL TP26			C922	0CH1223K516	0.022U 50V K B 2.0X1.2 R/TP
		C830	0CE1076F638	100M SMS 16V M FM5 TP(5)			C923	0CH1223K516	0.022U 50V K B 2.0X1.2 R/TP
		C831	0CX3900K408	39P 50V JSL TA26			C924	0CE2244K638	0.22M SRA 50V M FM5 TP(5)
ı		C832	0CN1030F678	0.01M 16V M Y TA26	1 1		C925	0CH4390K416	39P 50V J COG 2.0X1.2 R/TP
			0CE1076F638				C926	0CH4390K416	39P 50V J COG 2.0X1.2 R/TP
		1	0CE4775C638	100M SMS 16V M FM5 TP(5)	l i		C927	0CE2244K638	0.22M SRA 50V M FM5 TP(5)
				470M SR 6.3V M FM5 TP(5)			C928	0CH1223K516	0.022U 50V K B 2.0X1.2 R/TP
			0CN1010K518	100P 50V KB TA26		ŀ	C929	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
	- 1		0CC1000K015	10P 50V C NPO TS			C930	0CN1030F678	0.01M 16V M Y TA26
			0CC1200K415	12P 50V J NPO TS	1 1		C931	0CH4101K416	100P 50V J NP0 2.0*1.25 R/TP
			0CN1040K948	0.1M 50V ZF TA26			C932	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
- 1			0CN1030F678	0.01M 16V M Y TA26		İ	C933	0CN1020K518	1000P 50V KB TA26
	- 1		0CE1076F638	100M SMS 16V M FM5 TP(5)	1 1		C934	0CH4101K416	100P 50V J NP0 2.0*1.25 R/TP
	- 1		0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)	1 1		C935	0CH4101K416	100P 50V J NP0 2.0*1.25 R/TP
			0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)		ı		0CH4102K416	1000P 50V J X7R 2.0X1.25
			0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C937	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
	- 1	- 1	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C938	0CE1074F638	100U SRA 16V M FM5 TP(5)
	- 1		0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C939	0CN1030F678	0.01M 16V M Y TA26
			0CN1030F678	0.01M 16V M Y TA26			C940	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
- 1			0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C941	0CN1030F678	0.01M 16V M Y TA26
	- 1		0CN1020K518	1000P 50V KB TA26			C942	0CE1074F638	100U SRA 16V M FM5 TP(5)
			0CN1020K518	1000P 50V KB TA26			C943	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
	- 1		0CN1020K518	1000P 50V KB TA26				0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
			0CN1020K518	1000P 50V KB TA26				0CH4560K416	56P 50V J NPO 2.0X1.25 R/TP
				1000P 50V KB TA26				0CH1223K516	0.022U 50V K B 2.0X1.2 R/TP
	- 1			1000P 50V KB TA26		OR		624-088A	KNB1530 AC250V/0.1UF ISKARA
				1000P 50V KB TA26				624-088B	ECQU2A104MVA AC250/0.1UF MATSU
			0CN1020K518	1000P 50V KB TA26				624-066E	AC CON 472/400V,E,AA(S/S)
			0CE1064F638	10M SRA 16V M FM5 TP(5)				624-066E	AC CON 472/400V,E,AA(S/S) AC CON 472/400V,E,AA(S/S)
	10	C875 (0CE1064F638	10M SRA 16V M FM5 TP(5)				524-084H	ES-2230-100-400-M SMPS RI-C
\perp				10M SRA 16V M FM5 TP(5)			-	0CE107BH638	
	1	C877 (0CE1064F638	10M SRA 16V M FM5 TP(5)				CE107BH638	100U KME 25V M FM5 TP5
				22M SRA 16V M FM5 TP(5)				524-087J	100U KME 25V M FM5 TP5
				10M SRA 16V M FM5 TP(5)				CQ1021N409	HIGH-VOL 102PF/1KV CERAMIC
				10M SRA 16V M FM5 TP(5)		,			0.001U 100V JPOLY TP
				22M SRA 16V M FM5 TP(5)		- 1		CE1087H638	1000UF SXE 25V M FM5 TP5
				47M SMS 16V M FM5 TP5	1 /			624-084E	HER-1320-1000-25-M SMPS RI-C
				0.01M 16V M Y TA26	1			524-085E	CE 1000UF/25V KME (SMPS)
				100P 50V KB TA26		1			1000/10V KME (SMPS) CE
1				100P 50V KB TA26		- 1			HER-1016-1000-10-M SMPS RI-C
	1			100P 50V KB TA26					1000UF SMS 10V M FM5 TP5
\perp	L		2.1.0.01010	1001 004 IV D 1A20			CP16	CE1087H638	1000UF SXE 25V M FM5 TP5

s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
	П	CP17	624-084E	HER-1320-1000-25-M SMPS RI-C
	OR	CP17	624-085E	CE 1000UF/25V KME (SMPS)
		CP20	0CE1076K638	100M SMS 50V M FM5 TP(5)
		CP21	0CE1086D638	1000UF SMS 10V M FM5 TP5
		CP22	0CE4766K638	47M SMS 50V M FM5 TP
		CP23	0CC2210K405	220P 50V JSL TP
	1	CP27	0CQ2731N409	0.027U 100V J POLY TP
		CP32	0CE4766K638	47M SMS 50V M FM5 TP
		CP36	624-086B	AC-CON 103/400V,Z,NU(N/K)
		CP38	624-066A	AC CON 220PF/400V,B,AA(S/S)
		CP39	624-066A	AC CON 220PF/400V,B,AA(S/S)
			DI	ODE
		BDP01	0DD160000DA	S1WBA60(1A 600V) SHIDENKEN
1		D001	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D002	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D202	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D203	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D204	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
1		D205	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
1		D206	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D207	0DD131009AA 0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM 1SS131 DETECT,SW(26MM)TP ROHM
		D208 D209	0DD131009AA	IN4003A(1SR35-200A)5M/M TP ROH
		D209	0DD131009AB	1SS131 DETECT,SW(26MM)TP ROHM
1		D211	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D212	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D219	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
1		D219	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
1		D228	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
	1	D230	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
1		D233	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
1		D234	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
l		D235	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
1		D301	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
1		D302	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
1		D307	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
1		D308	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
1		D309	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
ı		D3A0	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
1		D3A1	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
1		D3A2	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D3A3	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D401	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D402	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
l		D403	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D405	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
	1	D501	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D502	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D503	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D504	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D505 D506	0DD400309AB 0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH IN4003A(1SR35-200A)5M/M TP ROH
		D506	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
1		D507	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D703	0DD131009AA	IN4003A(1SR35-200A)5M/M TP ROH
		D801	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM
		D902	0DD193009AA	DIODE CHIP KDS193-T1(F3) KEC
		DP03	0DD193009AD	EG01ZW(R-FORM 5MM) TP SANKEN
		DP03	0DD010009AC	EU01W(R-FORM) TP SANKEN
1		DP05	0DD010009AC	EU01W(R-FORM) TP SANKEN
1	1	DP06	0DD400000AH	RU4YX SANKEN

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s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		DP07	0DD207000AA	2A07 2A RECTIFIERS(T/S)DELTA
		DP08	0DD140000BA	FMBG14L SANKEN
		DP09	0DD120000BC	FMPG12S SANKEN
		DP10	0DD010009AC	EU01W(R-FORM) TP SANKEN
		DP11	0DD010009AC	EU01W(R-FORM) TP SANKEN
		DP12	0DD010009AC	EU01W(R-FORM) TP SANKEN
	L		DISPL	AY TUBE
		2001		
		DG601 LM601	514-031A 514-505C	13BT-133GK DD1 FUTABA LEVEL METER KI-212G2(15MM)ROHM
			DELA	Y LINE
		DL3A0	617-011A	MS-31PC (KSS)
			F	USE
		FP01	585-011C	T 1.6A 250V S506
			FII	TER
	_	T =1.22		
		FL301	616-064D	L/C CL00047A 1.5M LPF S/S
	1	FL302	616-053A	HPF 1.4MHZ (DAE SHIN) A285TCHS-K5315 DD1P K-TOKO
		FL3A0	616-234C	A285TCHS-K5315 DD1P K-TOKO A285TCHS-K5305 CAN-COIL DD1P
		FL3A1	616-234A	
		FL3A2	616-234B	A285TCHS-K5306 DD1P K-TOKO
		FL3A4	616-126G	L/C BPF CB0067 4.43BPF S/S F-K5D9568A 1.8M SAMMI C900P
		FL401 FL402	616-405B 616-405A	F-K5D9567A 1.4M SAMMI C900P
	1			
		FL403	616-069C	LPF 12KHZ(JH-1058) SAMMI 1.7MBPF TH328BTLS-K5318 K-TOKO
		FL4A0	616-167A 616-154A	1.5BPF TH328BTLS-K5317K-TOKO D
		FL4A1 FL701	616-069C	LPF 12KHZ(JH-1058) SAMMI
		FL701	616-069C	LPF 12KHZ(JH-1058) SAMMI
		FLP01	616-145A	LINE FILTER SQE TYPE 33MH(BUJ)
		Z701	616-098A	SAW OFWG3203 SIEMENS
		Z701	616-036E	TRAP TPS5.74MB MURATA
l		Z704	616-036B	TRAP TPS5.5MB MURA
l		Z704 Z705	616-714A	MKT40MA100P MURATA
	J	2103	010-714A	
	Т	1	1	IC
		IC001	01HI118191A	HA118191NT PRE-AMP DIP
		IC201	0IMI381850Q	M38185ME-134FP(SY+TI) R-DV10S
		IC202	0INA241600A	NM24C16N(EEPROM.16K) OC3600
1		IC203	0IMT523000B	PST-523G/T(3.3V) LOW
		IC204	01H1497560A	HD49756NT(SERVO)
		IC205	0IRH704800A	BA7048N(ENVLOPE-DETECT)
1		IC206	01GS744500A	GL7445 (MOTOR DRIV-1CH) GSS
		IC207	0ISM564900A	SDA5649 (VPS+PDC)
1		IC301	0iHi118201A	HA118201CF Y/C PAL/MULTI
		IC303	0IKK746063A	MSM7460-63RS CCD(PAL) DIP
1		IC3A0	OIHI118172A	HA118172F(Y/C 8MM)HARD TRAY
		IC3A1	0ISO120300A	CXA1203M(8MM PAL JOG)SOP-24P-L
		IC3A2	01KK740300A	MSM7403MS(2H CCD)FLAT KINSEKI
1		IC401	0IRH779000A	BA7790LS(AUDIO NORMAL)
1		IC402	0ITO881300A	TA8813AN(HI-FI MAIN PAL)
		IC403	0ISG642000A	TEA6420 S/W IC DIP
1		IC404	0ISA722200A	LA7222 (1280 AUDIO)
1		IC4A0	01H1118276A	HA118276F
		IC501	0 SO807240S	CXP80724-345Q(SY+SE)R-DV10S
		IC502	0IMT523000C	PST-523D/T
L		IC503	0ISA183600A	LB1836M-TEL LOADING MOT 1K/TP

									RUN DATE : 95.09.27
S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		1C504	0ISO112700A	CYA1127M TE CAR M DRIV 2000R	1 -		1010		
ł		IC505	01GS740600A	CXA1127M-T6 CAP-M DRIV 30SOP		1	L318	0LA0102K018	10M K 2.3X3.4 L5 TP
				GL7406 (MOTOR DRIV) TAPING		İ	L319	0LR1000K035	100M K 6X6 L5 TP
l		IC506	0ISO151200A	CXA1512M			L321	0LA2200K018	220M K 2.3X3.4 L5 TP
		IC507	0IGS358000E	GL358D (T&R) OP AMP 2.5K/TP	11		L322	0LA0392K018	39M K 2.3X3.4 L5 TP
l		IC508	0!EX108230A	XR-10823(ATF)QFP32			L325	0LR1000K035	100M K 6X6 L5 TP
		IC601	0INE163110A	UPD16311GC-AB6 FIP DRIV 52PQFP	1 1	1	L326	0LA0272K018	27M K 2.3X3.4 L5 TP
		IC602	0IRH152180B	BA15218(HEAD-PHONE AMP)DIP			L328	0LA0472K018	47M K 2.3X3.4 L5 TP
		IC701	01PH980000A	TDA9800 VIF PLL DEM & FM DET			L329	0LA0102K018	10M K 2.3X3.4 L5 TP
		IC704	011T341000A	MSP3410(NICAM+G2) OC3600			L331	0LA0682K018	68M K 2.3X3.4 L5 TP
		IC801	OIMI350100M	M35010-110SP(OSD)BF900P/3600H		1	L333	0LA0122K018	12M K 2.3X3.4 L5 TP
		IC802	0ISG640000A	STV6400 S/W IC DIP			L334	0LR1000K035	100M K 6X6 L5 TP
		IC803	0JR222900A	NJM2229S SYNC SEPA (SIP PACK)			L3A0	0LR1000K035	100M K 6X6 L5 TP
1		IC805	0JR224900A	NJM2249L S/W (8 PIN SIP)			L3A1	0LR0332K035	
li		IC806	01GS324000A	GL324 (QUAD PUPLE OP AMP)					33M K 6X6 L5 TP
		IC901	01HI118019A		1 1		L3A2	0LA1800K018	180M K 2.3X3.4 L5 TP
		IC902	0IRH774000A	HA118019NT(PRE-AMP 4HD)			L3A3	0LA0102K018	10M K 2.3X3.4 L5 TP
				BA7740S (PRE-AMP HI-FI)			L3A4	0LA0222K018	22M K 2.3X3.4 L5 TP
		ICP01	0ISK670700B	STR/S6707(LF.953) 9P (R5,R6)			L3A5	0LR1000K035	100M K 6X6 L5 TP
		ICP03	0IKE431000A	KIA431			L3A6	0LR1000K035	100M K 6X6 L5 TP
				A OV			L3A7	0LR1000K035	100M K 6X6 L5 TP
			J	ACK			L3A8	0LR1000K035	100M K 6X6 L5 TP
		11/004	570 0551				L3A9	0LA0152K018	15M K 2.3X3.4 L5 TP
		JK601	572-055A	MIC HSJ1406-01-010			L3B0	0LR1000K035	100M K 6X6 L5 TP
			_	011			L3B1	0LR1000K035	100M K6X6 L5 TP
			C	OIL			L3B2	0LA0682K018	68M K 2.3X3.4 L5 TP
		DD704	200 0405	DE18 814181 11518			L3B3	0LR3300K035	
	- 1	BD701	636-010F	BEAD,BL01R1-A62T5,MURATA TAPIN			L3B3		330M K 6X6 L5 TP
İ		BD801	0LA0101K018	1.0M K 2.3X3.4 L5 TP				0LR8200K035	820M K 6X6 L5 TP
- [-	BD802	636-010F	BEAD,BL01R1-A62T5,MURATA TAPIN			L401	0LR1000K035	100M K 6X6 L5 TP
		L001	0LR1000K035	100M K 6X6 L5 TP			L402	0LR1000K035	100M K 6X6 L5 TP
		L002	0LR1000K035	100M K 6X6 L5 TP			L403	0LR1000K035	100M K 6X6 L5 TP
		L003	0LR8200K035	820M K 6X6 L5 TP			L404	0LR1000K035	100M K 6X6 L5 TP
ĺ		L004	0LR3300K035	330M K 6X6 L5 TP		- 1	L405	0LR1000K035	100M K 6X6 L5 TP
- 1		L005	0LA1800K018	180M K 2.3X3.4 L5 TP		- 1	L406	0LR1502J045	0.015H J 6X7 L5 TP
- 1	- 1	L006	0LA0222K018	22M K 2.3X3.4 L5 TP			L407	0LR1000K035	100M K 6X6 L5 TP
			0LA0392K018	39M K 2.3X3.4 L5 TP		- 1	L408	0LR1000K035	100M K 6X6 L5 TP
			0LA0332K018	33M K 2.3X3.4 L5 TP			L409	0LR1000K035	100M K 6X6 L5 TP
			0LA0222K018	22M K 2.3X3.4 L5 TP			L4A0	0LR1000K035	100M K 6X6 L5 TP
	- 1	1	0LR1000K035	100M K 6X6 L5 TP			L501	0LR1000K035	100M K 6X6 L5 TP
							L502	0LR1000K035	100M K 6X6 L5 TP
- 1			0LA0102K018	10M K 2.3X3.4 L5 TP		- 1	L503	0LR1000K035	The state of the s
			0LA0332K018	33M K 2.3X3.4 L5 TP			L504		
	- 1		0LA0222K018	22M K 2.3X3.4 L5 TP	11		L505	0LR1000K035	100M K 6X6 L5 TP
	- 1		0LA0222K018	22M K 2.3X3.4 L5 TP				0LR1000K035	100M K 6X6 L5 TP
- 1			0LR1000K035	100M K 6X6 L5 TP			L506	0LR1000K035	100M K 6X6 L5 TP
			0LR1000K035	100M K 6X6 L5 TP			L507	0LR1000K035	100M K 6X6 L5 TP
- 1		- 1	0LR1200K035	120M K 6X6 L5 TP			L508	0LR1000K035	100M K 6X6 L5 TP
			0LR1000K035	100M K 6X6 L5 TP			L509	0LA1800K018	180M K 2.3X3.4 L5 TP
	}		0LR1000K035	100M K 6X6 L5 TP			L510	0LR8200J025	820UH 5% 4X5 TR5
		L206	0LR1000K035	100M K 6X6 L5 TP			L511	0LR1000K035	100M K 6X6 L5 TP
		,	0LR1000K035	100M K 6X6 L5 TP			L512	0LR1000K035	100M K 6X6 L5 TP
			0LA0472K018	47M K 2.3X3.4 L5 TP			L601	0LA1000K018	100M K 2.3X3.4 L5 TP
			0LR1000K035	100M K 6X6 L5 TP				0LA0121K018	1.2M K 2.3X3.4 L5 TP
-			0LR1000K035	100M K 6X6 L5 TP				0LA0102K018	10M K 2.3X3.4 L5 TP
								0LR1000K035	
			0LR1000K035	100M K 6X6 L5 TP				0LA0332K018	100M K 6X6 L5 TP
	- 1		0LA1500K018	150M K 2.3X3.4 L5 TP					33M K 2.3X3.4 L5 TP
	ŧ			100M K 6X6 L5 TP				0LR1000K035	100M K 6X6 L5 TP
			0LR1000K035	100M K 6X6 L5 TP				0LR1000K035	100M K 6X6 L5 TP
			0LR1000K035	100M K 6X6 L5 TP				0LR1000K035	100M K 6X6 L5 TP
	- 1		0LA0682K018	68M K 2.3X3.4 L5 TP			1	0LR1000K035	100M K 6X6 L5 TP
	- 1		0LR1000K035	100M K 6X6 L5 TP	[- 1		0LR1000K035	100M K 6X6 L5 TP
		L314	0LA0822K018	82M K 2.3X3.4 L5 TP	1 1		L717	0LR1000K035	100M K 6X6 L5 TP
		L315 (0LR1000K035	100M K 6X6 L5 TP			L718	0LR1000K035	100M K 6X6 L5 TP
		1	0LR3900K035	390M K 6X6 L5 TP				0LR1000K035	100M K 6X6 L5 TP
			0LA0152K018	15M K 2.3X3.4L5 TP				0LR1000K035	100M K 6X6 L5 TP

_						_		T	RUN DATE : 95.09
S		A.NO		SPECIFICATION	S	AL	LOCA.NO	PART NO(GS	SPECIFICATION
	L72		0LR1000K035	100M K 6X6 L5 TP			Q003	0TR103009AE	KRC103M-TP (KRC1203) KEC
	L80		0LR1000K035	100M K 6X6 L5 TP			Q005	0TR103009AE	KRC103M-TP (KRC1203) KEC
	L80		0LR1000K035	100M K 6X6 L5 TP			Q006	0TR126709AC	KTA1267-GR MINI TP KEC
	L80	i	0LR1000K035	100M K 6X6 L5 TP			Q007	0TR319909AF	KTC3199-BL MINI TP KEC
	L80		0LA0332K018	33M K 2.3X3.4 L5 TP	1		Q008	0TR319909AF	KTC3199-BL MINI TP KEC
	L80		0LA0122K018	12M K 2.3X3.4 L5 TP			Q009	0TR319909AF	KTC3199-BL MINI TP KEC
	L80		0LR1000K035	100M K 6X6 L5 TP	- 1		Q010	0TR319709AC	KTC3197 (KTC388A) TP KEC
	L80		0LA1000K018	100M K 2.3X3.4L5 TP			Q011	0TR319909AF	KTC3199-BL MINI TP KEC
	L80		0LA1000K018	100M K 2.3X3.4 L5 TP	1		Q012	0TR126709AC	KTA1267-GR MINI TP KEC
	L81	- 1	0LA1000K018	100M K 2.3X3.4 L5 TP			Q013	0TR319909AF	KTC3199-BL MINI TP KEC
	- 1		0LA1000K018	100M K 2.3X3.4 L5 TP			Q014	0TR126709AC	KTA1267-GR MINI TP KEC
ı	L81		0LA1000K018	100M K 2.3X3.4L5 TP			Q015	0TR103009AE	KRC103M-TP (KRC1203) KEC
-	L81	- 1	0LA1000K018	100M K 2.3X3.4 L5 TP			Q201	0TR103009AE	KRC103M-TP (KRC1203) KEC
	L81		0LA1000K018	100M K 2.3X3.4 L5 TP			Q202	0TR103009AE	KRC103M-TP (KRC1203) KEC
	L81		0LA1000K018	100M K 2.3X3.4L5 TP	1 .		Q203	0TR103009AE	KRC103M-TP (KRC1203) KEC
	L81		0LR1000K035	100M K 6X6 L5 TP	1 1		Q204	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
	L81	1	0LR1000K035	100M K 6X6 L5 TP			Q205	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
	L81	(0LA0222K018	22M K 2.3X3.4 L5 TP			Q206	0TR103009AE	KRC103M-TP (KRC1203) KEC
ı	L81		0LA0222K018	22M K 2.3X3.4 L5 TP			Q207	0TR127309AA	KTA1273-TP-Y (KTA966A)KEC
	L82	1	0LA0222K018	22M K 2.3X3.4 L5 TP			Q208	0TR103009AE	KRC103M-TP (KRC1203) KEC
-	L8C		0LA0101K018	1.0M K 2.3X3.4 L5 TP			Q209	0TR103009AF	KRA103M-TP (KRA2203) KEC
- 1	L90		0LR1000K035	100M K 6X6 L5 TP			Q210	0TR103009AF	KRA103M-TP (KRA2203) KEC
	L90		0LA0681K018	6.8M K 2.3X3.4 L5 TP			Q211	0TR103009AF	KRA103M-TP (KRA2203) KEC
-	L90		0LA0181K018	1.8M K 2.3X3.4 L5 TP	i		Q212	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
	L904		0LR1000K035	100M K 6X6 L5 TP				0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
	L90		0LR1000K035	100M K 6X6 L5 TP				0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
1	L900		0LR1000K035	100M K 6X6 L5 TP				0TR103009AE	KRC103M-TP (KRC1203) KEC
1	L907		0LR3300K035	330M K 6X6 L5 TP	\perp			0TR103009AE	KRC103M-TP (KRC1203) KEC
	LP0		636-004C	BEAD CORE BFS3550R2FD8,R T/P				0TR103009AE	KRC103M-TP (KRC1203) KEC
-	LP0		636-004C	BEAD CORE BFS3550R2FD8,R T/P				0TR126609AE	KTA1266-GR,TP(KTA1015),KEC
	LP0:		633-088A	SC-20M CHOKE, COIL				0TR103009AE	KRC103M-TP (KRC1203) KEC
	LP0		533-088A	SC-20M CHOKE,COIL				0TR127309AA	KTA1273-TP-Y (KTA966A)KEC
	LP06		533-088A	SC-20M CHOKE,COIL				0TR103009AE	KRC103M-TP (KRC1203) KEC
	T401	- 1	633-032C	BIAS-OSC(MISUMI) 70KHZ				0TR127309AA	
	T402	2 (333-032C	BIAS-OSC(MISUMI) 70KHZ				0TR319809AC	KTA1273-TP-Y (KTA966A)KEC
	T701	(333-085A	V-COIL 2920N-K5592Z 77.8 TOKO		- 1		0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
	T702	2 6	33-021C	PIF(D/S)				0TR126709AC	KTC3198-TP-BL (KTC1815)KEC
					1			0TR103009AE	KTA1267-GR MINI TP KEC
			L	ED				0TR126709AC	KRC103M-TP (KRC1203) KEC
Т	1,000							0TR103009AE	KTA1267-GR MINI TP KEC
	LD60		DL112000AK	DL-11S2GNS(SU,G,03,SM3411) KOC	1 1	- 1		0TR126709AC	KRC103M-TP (KRC1203) KEC
	LD60		DL112000AK	DL-11S2GNS(SU,G,03,SM3411) KOC		- 1	1	OTR319809AC	KTA1267-GR MINI TP KEC
	LD6A		DL112000AK	DL-11S2GNS(SU,G,03,SM3411) KOC				0TR103009AE	KTC3198-TP-BL (KTC1815)KEC
丄	LD6A	12 0	DL112000AK	DL-11S2GNS(SU,G,03,SM3411) KOC				OTR103009AE	KRC103M-TP (KRC1203) KEC
			MODU	LATOR	11			OTR319809AC	KRC103M-TP (KRC1203) KEC
			INIODO	LATOR				TR126709AC	KTC3198-TP-BL (KTC1815)KEC
Γ	MD70	01 5	92-808A	MCB8-UG3630 PAL B/G WO ATT				TR103009AE	KTA1267-GR MINI TP KEC
1_		- 1		MODO-003000 PAL B/G WO ATT				TR319809AC	KRC103M-TP (KRC1203) KEC
		CIR	CUIT BOAL	RD ASSEMBLY				TR319809AC	KTC3198-TP-BL (KTC1815)KEC
_		-111		- AOOLINDLI		1		TR103009AF	KTC3198-TP-BL (KTC1815)KEC
ĺ	PBIO	0 6	871R-0252A	I/O BOARD (2NDDD1S)		1			KRA103M-TP (KRA2203) KEC
	PBJT			JUNCTION 2 (G/S)				TR103009AE	KRC103M-TP (KRC1203) KEC
	PBMC		871R-0245D	VHS MAIN (DV13P 3GL1)		- 1		TR126709AC	KTA1267-GR MINI TP KEC
	PBT0	_ _	871R-0248A	TIMER 2NDDD1S				TR319809AC	KTC3198-TP-BL (KTC1815)KEC
_								TR319809AC	KTC3198-TP-BL (KTC1815)KEC
			TRANSF	FORMER		,		TR103009AE	KRC103M-TP (KRC1203) KEC
_			,						KTC3199-BL MINI TP KEC
ı	PTP0	1 6	42-019A	S/W TRANS EER3530(SUPER PAL)				TR103009AE	KRC103M-TP (KRC1203) KEC
_								TR103009AE	KRC103M-TP (KRC1203) KEC
			TRANS	SISTOR		- 1		TR127309AA	KTA1273-TP-Y (KTA966A)KEC
								TR103009AE	KRC103M-TP (KRC1203) KEC
_			TD0400004E 1	CTOOLOG BY AMERICAN	rí	1 0	23A7 0	TR103009AE	VDC100H TD (VDC1000) VCC
_	Q001 Q002		FR319909AF I	CTC3199-BL MINI TP KEC CTC3199-BL MINI TP KEC					KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC

s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
Г		Q3A9	0TR103009AF	KRA103M-TP (KRA2203) KEC
1		Q3B0	0TR103009AE	KRC103M-TP (KRC1203) KEC
1		Q3B1	0TR103009AE	KRC103M-TP (KRC1203) KEC
i		Q3B2	0TR319909AF	KTC3199-BL MINI TP KEC
		Q3B3	0TR126709AC	KTA1267-GR MINI TP KEC
		Q3B4	0TR319909AF	KTC3199-BL MINI TP KEC
		Q3E1	0TR319909AF	KTC3199-BL MINI TP KEC
1		Q401	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
l		Q402	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
1	Ì	Q403	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q404	0TR126709AC	KTA1267-GR MINI TP KEC
		Q405	0TR126709AC	KTA1267-GR MINI TP KEC
		Q406	0TR103009AE	KRC103M-TP (KRC1203) KEC
1		Q407	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q408	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
1		Q409	0TR103009AE	KRC103M-TP (KRC1203) KEC
ı		Q410	0TR103009AE	KRC103M-TP (KRC1203) KEC
1		Q410	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
1		Q411	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q412 Q413	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q414	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
1			0TR126709AC	KTA1267-GR MINI TP KEC
1		Q415		KTA1267-GR MINI TP KEC
		Q416	0TR126709AC	KTA1267-GR MINI TP KEC
		Q417	0TR126709AC	KTC3205-TP-Y (KTC2236A)KEC
		Q418	0TR320509AB	
		Q419	0TR126709AC	KTA1267-GR MINI TP KEC KTC3205-TP-Y (KTC2236A)KEC
ı		Q420	0TR320509AB	
1		Q421	OTR103009AE	KRC103M-TP (KRC1203) KEC
1		Q4A0	0TR319909AF	KTC3199-BL MINI TP KEC
		Q4A1	0TR319909AF	KTC3199-BL MINI TP KEC
1	1	Q4A2	0TR319909AF	KTC3199-BL MINI TP KEC
		Q4A3	0TR319909AF	KTC3199-BL MINI TP KEC KRC103M-TP (KRC1203) KEC
1		Q4A4	0TR103009AE	
1		Q4A5	0TR103009AF	KRA103M-TP (KRA2203) KEC
1		Q4A6	0TR103009AE	KRC103M-TP (KRC1203) KEC
1	1	Q502	0TR223609AB	KTC2236A-Y=KTC3205Y TP KEC
		Q503	0TR126609AE	KTA1266-GR,TP(KTA1015),KEC
1		Q504	0TR205800AA	KTD2058-0 KEC
1		Q505	0TR126609AE	KTA1266-GR,TP(KTA1015),KEC
1	1	Q506	0TR126609AE	KTA1266-GR,TP(KTA1015),KEC
		Q507	0TR126609AE	KTA1266-GR,TP(KTA1015),KEC
		Q508	0TR205800AA	KTD2058-0 KEC
	1	Q509	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q510	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q601	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q6B1	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q701	0TR319709AC	KTC3197 (KTC388A) TP KEC
j		Q703	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
1		Q709	0TR103009AE	KRC103M-TP (KRC1203) KEC
	1	Q710	0TR126709AC	KTA1267-GR MINI TP KEC
1		Q712	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
1		Q801	0TR126709AC	KTA1267-GR MINI TP KEC
1		Q802	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q803	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q804	0TR126709AC	KTA1267-GR MINI TP KEC
		Q805	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q806	0TR319909AF	KTC3199-BL MINI TP KEC
		Q807	0TR319909AF	KTC3199-BL MINI TP KEC
		Q808	0TR103009AE	KRC103M-TP (KRC1203) KEC
1		Q809	0TR126709AC	KTA1267-GR MINI TP KEC
		Q810	0TR319909AF	KTC3199-BL MINI TP KEC
		Q811	0TR319909AF	KTC3199-BL MINI TP KEC
L				

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION				
		Q812	0TR319909AF	KTC3199-BL MINI TP KEC				
		Q814	0TR319909AF	KTC3199-BL MINI TP KEC				
		Q902	0TR103009AA	CHIP KRC103S-T1(NC)22-22 KEC				
	1	Q903	0TR103009AA	CHIP KRC103S-T1(NC)22-22 KEC				
		Q904	0TR150409AC	KTA1504-GR-T1(ASG) CHIP KEC				
		Q905	0TR150409AC	KTA1504-GR-T1(ASG) CHIP KEC				
		Q906	0TR103009AA	CHIP KRC103S-T1(NC)22-22 KEC				
1		Q907	0TR387609AA	CHIP KTC3876-0-T1(WO) KEC				
		Q908	0TR103009AA	CHIP KRC103S-T1(NC)22-22 KEC				
	SENSOR							
		ICP04	657-060C	CQY80NG PHOTO-COUPLER TELEFUN				

CAUTION: The * marks in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. Before replacing any of these components, read carefully the SAFETY PRECAUTIONS and SERVICING PRECAUTIONS in the manual. Do not degrade the safety of the unit through improper servicing.

Tolerance

Symbol	С	J	K	M	N	Z	Р	Α
%	±2	±5	±10	±20	±30	+80 -20	+100 -10	+100 -10

CC, CJ, CK: Capacitor, Ceramic CE: Capacitor, Electrolytic

CQ: Capacitor, Polyester

s	AL LOCA.N	PART NO(GS)	SPECIFICATION
		RES	SISTOR
	R001 R002 R003 R004 R006 R008 R009 R011 R012 R013 R014 R015 R016 R017 R018 R019 R020 R021 R023 R024 R025 R026 R027 R028 R029 R030 R032 R033 R034 R035 R036 R037 R038 R039 R031 R038 R039 R031 R038 R039 R031 R036 R037 R038 R039 R039 R039 R039 R039 R031 R031 R035 R036 R037 R038 R039 R039 R039 R039 R030 R031 R031 R032 R033 R034 R035 R036 R037 R038 R039 R039 R039 R039 R030 R031 R031 R031 R032 R033 R034 R035 R036 R037 R038 R039 R039 R030 R031 R031 R031 R031 R031 R031 R031		
	R043 R201 R202 R203 R204 R205	ORD8200F608 ORD1001F608 ORD4701F608 ORD1001F608 ORD2702F608 ORD1202F608	820 1/6W 5 TA26 1.0K 1/6W 5 TA26 4.7K 1/6W 5 TA26 1.0K 1/6W 5 TA26 27K 1/6W 5 TA26 12K 1/6W 5 TA26
	R206	0RD1202F608	12K 1/6W 5 TA26

R207 ORD1002F608 10K 1/6W 5 TA26 R209 ORD3301F608 R210 ORD1002F608 R211 ORD3302F608 R212 ORD1002F608 R213 ORD1501F608 R214 ORD1502F608 R215 ORD6801F608 R215 ORD6801F608 R216 ORD3901F608 R217 ORD2901F608 R218 ORD2901F608 R219 ORD2702F608 R220 ORD8203F608 R220 ORD8203F608 R220 ORD8203F608 R221 ORD5603F608 R222 ORD8203F608 R222 ORD8203F608 R224 ORD1503F608 R224 ORD1503F608 R225 ORD6802F608 R225 ORD8203F608 R226 ORD8203F608 R227 ORD8203F608 R228 ORD8203F608 R229 ORD8203F608 R226 ORD8203F608 R227 ORD8203F608 R228 ORD8203F608 R229 ORD8203F608 R229 ORD8203F608 R229 ORD8203F608 R229 ORD8203F608 R229 ORD6802F608 R229 ORD6802F608 R229 ORD6802F608 R229 ORD4701F608 R229 ORD6802F608 R221 ORD5601F608 R223 ORD5601F608 R223 ORD5601F608 R224 ORD5603F608 R223 ORD5601F608 R224 ORD5603F608 R224 ORD5603F608 R225 ORD5601F608 R226 ORD5603F608 R227 ORD6802F608 R227 ORD6802F608 R228 ORD6802F608 R229 ORD4701F608 R231 ORD5601F608 R233 ORD5601F608 R234 ORD5902F608 R235 ORD2702F608 R236 ORD6802F608 R237 ORD2702F608 R238 ORD2702F608 R239 ORD6802F608 R240 ORD1003F608 R240 ORD1003F608 R240 ORD1003F608 R240 ORD1003F608 R240 ORD1003F608 R241 ORD1503F608 R244 ORD1503F608 R244 ORD1503F608 R244 ORD1503F608 R245 ORD0101F608 R244 ORD1503F608 R244 ORD1503F608 R245 ORD0101F608 R246 ORD1003F608 R247 ORD8203F608 R248 ORD1003F608 R248 ORD1003F608 R244 ORD1003F608 R244 ORD1003F608 R245 ORD0101F608 R246 ORD1003F608 R247 ORD8203F608 R248 ORD1202F608 R249 ORD1202F608 R240 ORD1202F608 R241 ORD503F608 R244 ORD1003F608 R245 ORD503F608 R246 ORD1003F608 R247 ORD8203F608 R248 ORD1202F608 R249 ORD503F608 R249 ORD503F608 R249 ORD503F608 R249 ORD503F608 R249 ORD503F608 R249 ORD503F6			1001110		
R208	S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
R209					
R210					68K 1/6W 5 TA26
R211					3.3K 1/6W 5 TA26
R212					10K 1/6W 5 TA26
R213					33K 1/6W 5 TA26
R214					
R215 ORD6801F608 6.8K 1/6W 5 TA26 R216 ORD3901F608 3.9K 1/6W 5 TA26 R217 ORD2703F608 270K 1/6W 5 TA26 R218 ORD6802F608 68K 1/6W 5 TA26 R219 ORD2702F608 27K 1/6W 5 TA26 R220 ORD8203F608 820K 1/6W 5 TA26 R221 ORD5603F608 82K 1/6W 5 TA26 R222 ORD8201F608 8.2K 1/6W 5 TA26 R223 ORD1501F608 8.2K 1/6W 5 TA26 R224 ORD1503F608 1.5K 1/6W 5 TA26 R225 ORD1503F608 1.5K 1/6W 5 TA26 R226 ORD2203F608 150K 1/6W 5 TA26 R227 ORD6802F608 68K 1/6W 5 TA26 R228 ORD6802F608 68K 1/6W 5 TA26 R230 ORD4701F608 68K 1/6W 5 TA26 R231 ORD5601F608 68K 1/6W 5 TA26 R232 ORD0101F608 1.0 1/6W 5 TA26 R233 ORD5601F608 5.6K 1/6W 5 TA26 R234 ORD3902F608 82K 1/6W 5 TA26 R235 ORD4702F608 82K 1					
R216 ORD3901F608 3.9K 1/6W 5 TA26 R217 ORD2703F608 270K 1/6W 5 TA26 R218 ORD6802F608 68K 1/6W 5 TA26 R219 ORD2702F608 27K 1/6W 5 TA26 R220 ORD8203F608 22K 1/6W 5 TA26 R221 ORD5603F608 3.2K 1/6W 5 TA26 R222 ORD1501F608 8.2K 1/6W 5 TA26 R223 ORD1503F608 1.5K 1/6W 5 TA26 R224 ORD1503F608 1.5K 1/6W 5 TA26 R225 ORD1503F608 1.5K 1/6W 5 TA26 R226 ORD203F608 1.5K 1/6W 5 TA26 R227 ORD6802F608 68K 1/6W 5 TA26 R228 ORD6802F608 68K 1/6W 5 TA26 R230 ORD4701F608 68K 1/6W 5 TA26 R231 ORD5601F608 68K 1/6W 5 TA26 R232 ORD0101F608 1.0 1/6W 5 TA26 R233 ORD5601F608 5.6K 1/6W 5 TA26 R234 ORD3902F608 39K 1/6W 5 TA26 R235 ORD4702F608 68K 1/6W 5 TA26 R236 ORD3608F608 68K 1/6					· ·
R217 0RD2703F608 270K 1/6W 5 TA26 R218 0RD6802F608 68K 1/6W 5 TA26 R219 0RD2702F608 27K 1/6W 5 TA26 R220 0RD8203F608 820K 1/6W 5 TA26 R221 0RD5603F608 560K 1/6W 5 TA26 R222 0RD8201F608 8.2K 1/6W 5 TA26 R223 0RD1503F608 1.5K 1/6W 5 TA26 R224 0RD1503F608 150K 1/6W 5 TA26 R225 0RD1503F608 150K 1/6W 5 TA26 R226 0RD2203F608 150K 1/6W 5 TA26 R227 0RD6802F608 68K 1/6W 5 TA26 R228 0RD6802F608 68K 1/6W 5 TA26 R229 0RD4701F608 4.7K 1/6W 5 TA26 R231 0RD6601F608 5.6K 1/6W 5 TA26 R232 0RD1010F608 5.6K 1/6W 5 TA26 R233 0RD5601F608 5.6K 1/6W 5 TA26 R234 0RD3902F608 680K 1/6W 5 TA26 R235 0RD2701F608 2.7K 1/6W 5 TA26 R236 0RD3002F608 680K 1/6W 5 TA26 R239 0RD4701F608					
R218					,
R219 0RD2702F608 27K 1/6W 5 TA26 R221 0RD8203F608 820K 1/6W 5 TA26 R222 0RD8201F608 8.2K 1/6W 5 TA26 R223 0RD1501F608 8.2K 1/6W 5 TA26 R224 0RD1503F608 1.5K 1/6W 5 TA26 R225 0RD1503F608 150K 1/6W 5 TA26 R226 0RD2203F608 220K 1/6W 5 TA26 R227 0RD6802F608 68K 1/6W 5 TA26 R228 0RD6802F608 68K 1/6W 5 TA26 R229 0RD4701F608 4.7K 1/6W 5 TA26 R230 0RD4701F608 4.7K 1/6W 5 TA26 R231 0RD5601F608 5.6K 1/6W 5 TA26 R232 0RD0101F608 5.6K 1/6W 5 TA26 R233 0RD5601F608 5.6K 1/6W 5 TA26 R234 0RD3902F608 5.6K 1/6W 5 TA26 R235 0RD2701F608 5.6K 1/6W 5 TA26 R236 0RD6803F608 680K 1/6W 5 TA26 R237 0RD2702F608 680K 1/6W 5 TA26 R240 0RD1003F608 680K 1/6W 5 TA26 R241 0RD1503F608 <td< th=""><th></th><th></th><th></th><th></th><th></th></td<>					
R220 0RD8203F608 820K 1/6W 5 TA26 R221 0RD5603F608 560K 1/6W 5 TA26 R222 0RD8201F608 8.2K 1/6W 5 TA26 R223 0RD1501F608 1.5K 1/6W 5 TA26 R224 0RD1503F608 1.5K 1/6W 5 TA26 R225 0RD1503F608 150K 1/6W 5 TA26 R226 0RD2203F608 220K 1/6W 5 TA26 R227 0RD6802F608 68K 1/6W 5 TA26 R228 0RD6802F608 68K 1/6W 5 TA26 R229 0RD4701F608 4.7K 1/6W 5 TA26 R230 0RD4701F608 4.7K 1/6W 5 TA26 R231 0RD5601F608 5.6K 1/6W 5 TA26 R232 0RD0101F608 1.0 1/6W 5 TA26 R233 0RD5601F608 5.6K 1/6W 5 TA26 R234 0RD3902F608 5.6K 1/6W 5 TA26 R235 0RD2701F608 5.6K 1/6W 5 TA26 R237 0RD2702F608 680K 1/6W 5 TA26 R239 0RD4702F608 8.2K 1/6W 5 TA26 R240 0RD1003F608 8.2K 1/6W 5 TA26 R241 0RD1503F608 <td< th=""><th></th><th></th><th></th><th></th><th></th></td<>					
R221 0RD5603F608 560K 1/6W 5 TA26 R222 0RD8201F608 8.2K 1/6W 5 TA26 R223 0RD1501F608 1.5K 1/6W 5 TA26 R224 0RD1503F608 1.50K 1/6W 5 TA26 R225 0RD1503F608 150K 1/6W 5 TA26 R226 0RD2203F608 220K 1/6W 5 TA26 R227 0RD6802F608 68K 1/6W 5 TA26 R228 0RD6802F608 68K 1/6W 5 TA26 R229 0RD4701F608 4.7K 1/6W 5 TA26 R230 0RD4701F608 4.7K 1/6W 5 TA26 R231 0RD5601F608 4.7K 1/6W 5 TA26 R232 0RD0101F608 1.0 1/6W 5 TA26 R233 0RD5601F608 5.6K 1/6W 5 TA26 R234 0RD3902F608 39K 1/6W 5 TA26 R235 0RD2701F608 2.7K 1/6W 5 TA26 R236 0RD6803F608 680K 1/6W 5 TA26 R237 0RD2702F608 27K 1/6W 5 TA26 R238 0RD4702F608 27K 1/6W 5 TA26 R240 0RD1003F608 8.2K 1/6W 5 TA26 R241 0RD1503F608 8					
R222 0RD8201F608 8.2K 1/6W 5 TA26 R223 0RD1501F608 1.5K 1/6W 5 TA26 R224 0RD1503F608 1.5K 1/6W 5 TA26 R225 0RD1503F608 150K 1/6W 5 TA26 R226 0RD2203F608 220K 1/6W 5 TA26 R227 0RD6802F608 68K 1/6W 5 TA26 R228 0RD6802F608 68K 1/6W 5 TA26 R229 0RD4701F608 4.7K 1/6W 5 TA26 R230 0RD4701F608 4.7K 1/6W 5 TA26 R231 0RD5601F608 5.6K 1/6W 5 TA26 R232 0RD0101F608 1.0 1/6W 5 TA26 R233 0RD5601F608 5.6K 1/6W 5 TA26 R234 0RD3902F608 39K 1/6W 5 TA26 R235 0RD2701F608 2.7K 1/6W 5 TA26 R236 0RD6803F608 680K 1/6W 5 TA26 R237 0RD2702F608 27K 1/6W 5 TA26 R238 0RD4702F608 47K 1/6W 5 TA26 R240 0RD1003F608 8.2K 1/6W 5 TA26 R241 0RD1503F608 150K 1/6W 5 TA26 R242 0RD8202F608 82					, , , , , , , , , , , , , , , , , , , ,
R223					
R224 0RD1503F608 150K 1/6W 5 TA26 R225 0RD1503F608 150K 1/6W 5 TA26 R226 0RD2203F608 220K 1/6W 5 TA26 R227 0RD6802F608 68K 1/6W 5 TA26 R228 0RD6802F608 68K 1/6W 5 TA26 R229 0RD4701F608 4.7K 1/6W 5 TA26 R230 0RD4701F608 4.7K 1/6W 5 TA26 R231 0RD5601F608 5.6K 1/6W 5 TA26 R232 0RD0101F608 1.0 1/6W 5 TA26 R233 0RD5601F608 5.6K 1/6W 5 TA26 R234 0RD3902F608 39K 1/6W 5 TA26 R235 0RD2701F608 2.7K 1/6W 5 TA26 R236 0RD6803F608 680K 1/6W 5 TA26 R237 0RD2702F608 27K 1/6W 5 TA26 R238 0RD4702F608 47K 1/6W 5 TA26 R240 0RD1003F608 8.2K 1/6W 5 TA26 R241 0RD1503F608 8.2K 1/6W 5 TA26 R242 0RD8202F608 82K 1/6W 5 TA26 R243 0RD1503F608 150K 1/6W 5 TA26 R244 0RD1003F608 1.0					
R225 0RD1503F608 150K 1/6W 5 TA26 R226 0RD2203F608 220K 1/6W 5 TA26 R227 0RD6802F608 68K 1/6W 5 TA26 R228 0RD6802F608 68K 1/6W 5 TA26 R229 0RD4701F608 4.7K 1/6W 5 TA26 R230 0RD4701F608 4.7K 1/6W 5 TA26 R231 0RD5601F608 5.6K 1/6W 5 TA26 R232 0RD0101F608 1.0 1/6W 5 TA26 R233 0RD5601F608 5.6K 1/6W 5 TA26 R234 0RD3902F608 39K 1/6W 5 TA26 R235 0RD2701F608 2.7K 1/6W 5 TA26 R236 0RD6803F608 680K 1/6W 5 TA26 R237 0RD2702F608 27K 1/6W 5 TA26 R238 0RD4702F608 47K 1/6W 5 TA26 R239 0RD8201F608 8.2K 1/6W 5 TA26 R240 0RD1003F608 8.2K 1/6W 5 TA26 R241 0RD1503F608 150K 1/6W 5 TA26 R242 0RD8202F608 82K 1/6W 5 TA26 R243 0RD1503F608 150K 1/6W 5 TA26 R244 0RD1003F608 1.0					
R226					,
R227 0RD6802F608 68K 1/6W 5 TA26 R228 0RD6802F608 68K 1/6W 5 TA26 R229 0RD4701F608 4.7K 1/6W 5 TA26 R230 0RD4701F608 4.7K 1/6W 5 TA26 R231 0RD5601F608 5.6K 1/6W 5 TA26 R232 0RD0101F608 1.0 1/6W 5 TA26 R233 0RD5601F608 5.6K 1/6W 5 TA26 R234 0RD3902F608 39K 1/6W 5 TA26 R235 0RD2701F608 2.7K 1/6W 5 TA26 R236 0RD6803F608 680K 1/6W 5 TA26 R237 0RD2702F608 27K 1/6W 5 TA26 R238 0RD4702F608 47K 1/6W 5 TA26 R239 0RD8201F608 8.2K 1/6W 5 TA26 R240 0RD1003F608 8.2K 1/6W 5 TA26 R241 0RD1503F608 8.2K 1/6W 5 TA26 R242 0RD8202F608 82K 1/6W 5 TA26 R243 0RD1503F608 150K 1/6W 5 TA26 R244 0RD1003F608 100K 1/6W 5 TA26 R245 0RD101F608 1.0K 1/6W 5 TA26 R246 0RD1001F608 1.0K					
R228		1			
R229 0R04701F608 4.7K 1/6W 5 TA26 R230 0RD4701F608 4.7K 1/6W 5 TA26 R231 0RD5601F608 5.6K 1/6W 5 TA26 R232 0RD0101F608 1.0 1/6W 5 TA26 R233 0RD5601F608 5.6K 1/6W 5 TA26 R234 0RD3902F608 39K 1/6W 5 TA26 R235 0RD2701F608 2.7K 1/6W 5 TA26 R236 0RD6803F608 680K 1/6W 5 TA26 R237 0RD2702F608 27K 1/6W 5 TA26 R238 0RD4702F608 47K 1/6W 5 TA26 R239 0RD8201F608 8.2K 1/6W 5 TA26 R240 0RD1003F608 100K 1/6W 5 TA26 R241 0RD1503F608 150K 1/6W 5 TA26 R242 0RD8202F608 82K 1/6W 5 TA26 R243 0RD1503F608 150K 1/6W 5 TA26 R244 0RD1003F608 100K 1/6W 5 TA26 R245 0RD0101F608 1.0 K 1/6W 5 TA26 R246 0RD1001F608 1.0 K 1/6W 5 TA26 R247 0RD8203F608 820K 1/6W 5 TA26 R248 0RD1201F608 <td< th=""><th></th><th></th><th></th><th></th><th>·</th></td<>					·
R230					
R231		ĺ			
R232 0RD0101F608 1.0 1/6W 5 TA26 R233 0RD5601F608 5.6K 1/6W 5 TA26 R234 0RD3902F608 39K 1/6W 5 TA26 R235 0RD2701F608 2.7K 1/6W 5 TA26 R236 0RD6803F608 680K 1/6W 5 TA26 R237 0RD2702F608 27K 1/6W 5 TA26 R238 0RD4702F608 47K 1/6W 5 TA26 R239 0RD8201F608 8.2K 1/6W 5 TA26 R240 0RD1003F608 100K 1/6W 5 TA26 R241 0RD1503F608 150K 1/6W 5 TA26 R242 0RD8202F608 82K 1/6W 5 TA26 R243 0RD1503F608 150K 1/6W 5 TA26 R244 0RD1003F608 150K 1/6W 5 TA26 R244 0RD1003F608 100K 1/6W 5 TA26 R245 0RD0101F608 1.0 1/6W 5 TA26 R246 0RD1001F608 1.0 K 1/6W 5 TA26 R247 0RD8203F608 820K 1/6W 5 TA26 R248 0RD1201F608 12K 1/6W 5 TA26 R249 0RD1201F608 1.2K 1/6W 5 TA26 R250 0RD5601F608 5.					
R233		- 1			
R234 ORD03902F608 R235 ORD02701F608 R236 ORD02702F608 R237 ORD02702F608 R238 ORD4702F608 R239 ORD8201F608 R240 ORD1003F608 R241 ORD1503F608 R242 ORD8202F608 R242 ORD8202F608 R243 ORD1503F608 R244 ORD1003F608 R244 ORD1003F608 R244 ORD1003F608 R244 ORD1003F608 R244 ORD1003F608 R245 ORD0101F608 R245 ORD0101F608 R246 ORD1001F608 R246 ORD1001F608 R247 ORD8203F608 R247 ORD8203F608 R248 ORD1202F608 R249 ORD1201F608 R249 ORD1201F608 R249 ORD1201F608 R241 ORD1201F608 R249 ORD1201F608 R250 ORD5601F608 R2					•
R235 ORD2701F608 R236 ORD6803F608 R237 ORD2702F608 R238 ORD4702F608 R239 ORD8201F608 R240 ORD1003F608 R241 ORD1503F608 R242 ORD8202F608 R243 ORD1503F608 R244 ORD1003F608 R244 ORD1003F608 R244 ORD1003F608 R244 ORD1003F608 R244 ORD1003F608 R244 ORD1003F608 R245 ORD0101F608 R245 ORD0101F608 R246 ORD1001F608 R246 ORD1001F608 R247 ORD8203F608 R247 ORD8203F608 R248 ORD1202F608 R248 ORD1202F608 R249 ORD1201F608 R249 ORD1201F608 R245 ORD1201F608 R246 ORD1201F608 R247 ORD8203F608 R247 ORD8203F608 R248 ORD1201F608 R248 ORD1201F608 R248 ORD1201F608 R246 ORD1201F608 R246 ORD1201F608 R247 ORD8203F608 R247 ORD8203F608 R248 ORD1201F608 R248 ORD1201F608 R248 ORD1201F608 R248 ORD1201F608 R250 ORD5601F608 S26K 1/6W 5 TA26 S26K 1	1				
R236 ORD6803F608 680K 1/6W 5 TA26 R237 ORD2702F608 27K 1/6W 5 TA26 R238 ORD4702F608 47K 1/6W 5 TA26 R239 ORD8201F608 8.2K 1/6W 5 TA26 R240 ORD1003F608 100K 1/6W 5 TA26 R241 ORD1503F608 150K 1/6W 5 TA26 R242 ORD8202F608 82K 1/6W 5 TA26 R243 ORD1503F608 150K 1/6W 5 TA26 R244 ORD1003F608 150K 1/6W 5 TA26 R244 ORD1003F608 100K 1/6W 5 TA26 R245 ORD0101F608 1.0 1/6W 5 TA26 R246 ORD1001F608 1.0K 1/6W 5 TA26 R247 ORD8203F608 820K 1/6W 5 TA26 R248 ORD1202F608 12K 1/6W 5 TA26 R249 ORD1201F608 1.2K 1/6W 5 TA26 R250 ORD5601F608 5.6K 1/6W 5 TA26					
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R238 0RD4702F608 47K 1/6W 5 TA26 R239 0RD8201F608 8.2K 1/6W 5 TA26 R240 0RD1003F608 100K 1/6W 5 TA26 R241 0RD1503F608 150K 1/6W 5 TA26 R242 0RD8202F608 82K 1/6W 5 TA26 R243 0RD1503F608 150K 1/6W 5 TA26 R244 0RD1003F608 150K 1/6W 5 TA26 R245 0RD0101F608 1.0 1/6W 5 TA26 R246 0RD1001F608 1.0K 1/6W 5 TA26 R247 0RD8203F608 820K 1/6W 5 TA26 R248 0RD1202F608 12K 1/6W 5 TA26 R249 0RD1201F608 1.2K 1/6W 5 TA26 R250 0RD5601F608 5.6K 1/6W 5 TA26		ı			
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R240 ORD1003F608					
R241 ORD1503F608 150K 1/6W 5 TA26 R242 ORD8202F608 82K 1/6W 5 TA26 R243 ORD1503F608 150K 1/6W 5 TA26 R244 ORD1003F608 150K 1/6W 5 TA26 R245 ORD0101F608 1.0 1/6W 5 TA26 R246 ORD1001F608 1.0K 1/6W 5 TA26 R247 ORD8203F608 820K 1/6W 5 TA26 R248 ORD1202F608 12K 1/6W 5 TA26 R249 ORD1201F608 1.2K 1/6W 5 TA26 R250 ORD5601F608 5.6K 1/6W 5 TA26					
R242 ORD8202F608 82K 1/6W 5 TA26 R243 ORD1503F608 150K 1/6W 5 TA26 R244 ORD1003F608 100K 1/6W 5 TA26 R245 ORD101F608 1.0 1/6W 5 TA26 R246 ORD1001F608 1.0K 1/6W 5 TA26 R247 ORD8203F608 820K 1/6W 5 TA26 R248 ORD1202F608 12K 1/6W 5 TA26 R249 ORD1201F608 1.2K 1/6W 5 TA26 R250 ORD5601F608 5.6K 1/6W 5 TA26			R241		
R243			R242		
R244 ORD1003F608 100K 1/6W 5 TA26 R245 ORD0101F608 1.0 1/6W 5 TA26 R246 ORD1001F608 1.0K 1/6W 5 TA26 R247 ORD8203F608 820K 1/6W 5 TA26 R248 ORD1202F608 12K 1/6W 5 TA26 R249 ORD1201F608 1.2K 1/6W 5 TA26 R250 ORD5601F608 5.6K 1/6W 5 TA26			R243		
R245 ORD0101F608 1.0 1/6W 5 TA26 R246 ORD1001F608 1.0K 1/6W 5 TA26 R247 ORD8203F608 820K 1/6W 5 TA26 R248 ORD1202F608 12K 1/6W 5 TA26 R249 ORD1201F608 1.2K 1/6W 5 TA26 R250 ORD5601F608 5.6K 1/6W 5 TA26			R244		100K 1/6W 5 TA26
R246 ORD1001F608 1.0K 1/6W 5 TA26 R247 ORD8203F608 820K 1/6W 5 TA26 R248 ORD1202F608 12K 1/6W 5 TA26 R249 ORD1201F608 1.2K 1/6W 5 TA26 R250 ORD5601F608 5.6K 1/6W 5 TA26			R245	0RD0101F608	
R247 0RD8203F608 820K 1/6W 5 TA26 R248 0RD1202F608 12K 1/6W 5 TA26 R249 0RD1201F608 1.2K 1/6W 5 TA26 R250 0RD5601F608 5.6K 1/6W 5 TA26			R246		
R248			R247	0RD8203F608	
R250 0RD5601F608 5.6K 1/6W 5 TA26			R248	0RD1202F608	
5.15555 H 555 5.51 H 51 5 1A20			R249	0RD1201F608	
R251 0RD4700F608 470 1/6W 5 TA26					5.6K 1/6W 5 TA26
			R251	0RD4700F608	470 1/6W 5 TA26

s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	s	P	L LOCA.NO	PART NO(GS)	SPECIFICATION
Г		R252	614-011B	PRW 3.3/2W 10MM FORM/BULK SUNG			R2E3	0RD6801F608	6.8K 1/6W 5 TA26
		R253	0RD1001F608	1.0K 1/6W 5 TA26			R2E5	0RD3902F608	39K 1/6W 5 TA26
		R254	0RD2201F608	2.2K 1/6W 5 TA26	1		R2E8	0RD4702F608	47K 1/6W 5 TA26
		R255	0RD4701F608	4.7K 1/6W 5 TA26			R301	0RD4701F608	4.7K 1/6W 5 TA26
1		R256	ORD1001F608	1.0K 1/6W 5 TA26			R302	0RD3302F608	33K 1/6W 5 TA26
1		R264	0RD2201F608	2.2K 1/6W 5 TA26	1		R303	0RD1001F608	1.0K 1/6W 5 TA26
İ		R267	0RD1004F608	1.0M 1/6W 5 TA26			R304	0RD1802F608	18K 1/6W 5 TA26
1		R268	0RD1003F608	100K 1/6W 5 TA26			R306	0RD3302F608	33K 1/6W 5 TA26
		R269	0RD4704F608	4.7M 1/6W 5 TA26			R307	0RD1802F608	18K 1/6W 5 TA26
1		R270	0RD1002F608	10K 1/6W 5 TA26	1		R308 R309	0RD1001F608 0RD0102F608	1.0K 1/6W 5 TA26 10 1/6W 5 TA26
		R271 R272	0RD2201F608 0RD4701F608	2.2K 1/6W 5 TA26 4.7K 1/6W 5 TA26			R311	0RD2701F608	2.7K 1/6W 5 TA26
1		R273	0RD1502F608	15K 1/6W 5 TA26		1	R312	0RD6801F608	6.8K 1/6W 5 TA26
1		R274	0RD4701F608	4.7K 1/6W 5 TA26			R313	0RD2200F608	220 1/6W 5 TA26
1		R275	0RD4701F608	4.7K 1/6W 5 TA26			R315	0RD4701F608	4.7K 1/6W 5 TA26
		R276	0RD4701F608	4.7K 1/6W 5 TA26			R316	0RD1002F608	10K 1/6W 5 TA26
		R277	0RD2702F608	27K 1/6W 5 TA26			R317	0RD1002F608	10K 1/6W 5 TA26
		R278	0RD2702F608	27K 1/6W 5 TA26			R318	0RD1001F608	1.0K 1/6W 5 TA26
		R279	0RD1002F608	10K 1/6W 5 TA26			R319	0RD1001F608	1.0K 1/6W 5 TA26
		R280	0RD1002F608	10K 1/6W 5 TA26			R320	0RD4701F608	4.7K 1/6W 5 TA26
		R281	0RD3302F608	33K 1/6W 5 TA26			R321	0RD1001F608	1.0K 1/6W 5 TA26
		R282	0RD3302F608	33K 1/6W 5 TA26			R322	0RD7500F608	750 1/6W 5 TA26
1		R283	0RD6802F608	68K 1/6W 5 TA26			R323	0RD1001F608	1.0K 1/6W 5 TA26
ı		R284	0RD2201F608	2.2K 1/6W 5 TA26			R324	0RD4702F608	47K 1/6W 5 TA26
		R285	0RD2201F608	2.2K 1/6W 5 TA26			R325	0RD4702F608	47K 1/6W 5 TA26
		R286	0RD4701F608	4.7K 1/6W 5 TA26			R326	0RD1001F608	1.0K 1/6W 5 TA26
1		R287	0RD4701F608	4.7K 1/6W 5 TA26	1		R327	0RD4700F608	470 1/6W 5 TA26
		R288	0RD4701F608	4.7K 1/6W 5 TA26			R328	0RD1802F608	18K 1/6W 5 TA26
1		R289	ORD4700F608	470 1/6W 5 TA26			R329	0RD4701F608	4.7K 1/6W 5 TA26
		R290	0RD4701F608	4.7K 1/6W 5 TA26			R331	0RD1201F608	1.2K 1/6W 5 TA26
		R291	0RD4701F608	4.7K 1/6W 5 TA26	ı		R332 R333	0RD1001F608 0RD5600F608	1.0K 1/6W 5 TA26 560 1/6W 5 TA26
1		R292 R293	0RD4701F608 0RD4701F608	4.7K 1/6W 5 TA26 4.7K 1/6W 5 TA26	1		R334	0RD1001F608	1.0K 1/6W 5 TA26
		R294	0RD4701F608	4.7K 1/6W 5 TA26			R336	0RD1200F608	120 1/6W 5 TA26
		R295	0RD4701F608	4.7K 1/6W 5 TA26			R337	0RD2201F608	2.2K 1/6W 5 TA26
1		R296	0RD4701F608	4.7K 1/6W 5 TA26			R340	0RD1501F608	1.5K 1/6W 5 TA26
1		R297	0RD1001F608	1.0K 1/6W 5 TA26		1	R342	0RD2702F608	27K 1/6W 5 TA26
		R298	0RD4701F608	4.7K 1/6W 5 TA26	1		R343	0RD1501F608	1.5K 1/6W 5 TA26
l		R299	0RD1001F608	1.0K 1/6W 5 TA26			R344	0RD2001F608	2.0K 1/6W 5 TA26
		R2A1	0RD4701F608	4.7K 1/6W 5 TA26			R345	0RD8200F608	820 1/6W 5 TA26
		R2A2	0RD6802F608	68K 1/6W 5 TA26			R346	0RD1801F608	1.8K 1/6W 5 TA26
		R2A3	0RD6802F608	68K 1/6W 5 TA26			R347	0RD8202F608	82K 1/6W 5 TA26
		R2A7	0RD2201F608	2.2K 1/6W 5 TA26			R350	0RD1201F608	1.2K 1/6W 5 TA26
		R2A8	0RD4701F608	4.7K 1/6W 5 TA26			R351	0RD1802F608	18K 1/6W 5 TA26
		R2A9	0RD4701F608	4.7K 1/6W 5 TA26			R352	0RD3302F608	33K 1/6W 5 TA26
		R2B3	0RD2702F608	27K 1/6W 5 TA26			R353	0RD1002F608	10K 1/6W 5 TA26
1		R2B5	0RD6802F608	68K 1/6W 5 TA26			R354	0RD1002F608	10K 1/6W 5 TA26
		R2B6	0RD6802F608	68K 1/6W 5 TA26			R355	0RD5601F608	5.6K 1/6W 5 TA26
		R2B8	0RD6802F608	68K 1/6W 5 TA26			R359	0RD1001F608	1.0K 1/6W 5 TA26
	ĺ	R2B9	0RD6802F608	68K 1/6W 5 TA26			R361	0RD3901F608 0RD3301F608	3.9K 1/6W 5 TA26 3.3K 1/6W 5 TA26
		R2C3	0RD4701F608 0RD4701F608	4.7K 1/6W 5 TA26 4.7K 1/6W 5 TA26			R362 R379	0RD2701F608	2.7K 1/6W 5 TA26
		R2C4 R2D1	0RD1001F608	1.0K 1/6W 5 TA26			R382	0RD7500F608	750 1/6W 5 TA26
		R2D2	0RD1001F608	1.0K 1/6W 5 TA26			R383	0RD2201F608	2.2K 1/6W 5 TA26
		R2D3	0RD2702F608	27K 1/6W 5 TA26			R384	0RD2201F608	2.2K 1/6W 5 TA26
		R2D4	0RD1001F608	1.0K 1/6W 5 TA26			R385	0RD3900F608	390 1/6W 5 TA26
		R2D5	0RD1001F608	1.0K 1/6W 5 TA26			R386	0RD3900F608	390 1/6W 5 TA26
		R2D7	0RD1003F608	100K 1/6W 5 TA26			R387	0RD1001F608	1.0K 1/6W 5 TA26
		R2D8	0RD1004F608	1.0M 1/6W 5 TA26			R388	0RD5601F608	5.6K 1/6W 5 TA26
		R2D9	0RD6801F608	6.8K 1/6W 5 TA26			R389	0RD2201F608	2.2K 1/6W 5 TA26
		R2E1	0RD1204F608	1.2M 1/6W 5 TA26			R390	0RD1001F608	1.0K 1/6W 5 TA26
		R2E2	0RD1204F608	1.2M 1/6W 5 TA26			R391	0RD5600F608	560 1/6W 5 TA26
	<u> </u>		<u> </u>						<u> </u>

S AL COCANO PART NO(GS) SPECIFICATION S AL COCANO PART NO(GS) SPECIFICATION		T	T				_		·	RUN DATE : 95.09.27
R3985	S	AL		·		s	AL	LOCA.NO	PART NO(GS	SPECIFICATION
Fisse								R401	0RD1002F608	10K 1/6W 5 TA26
PASS OFFI 124 1968 1 124 1969 5 1225 1225 124 1969 5 1225 124 1969 124 1	1		1		,			R402	0RD1002F608	
PASS OFFIDORFORD 1.05, 1 pm 5 1.265 PASS OFFIDORFORD 1.05, 1 pm 1.05,	1							R403	0RD2702F608	
Fig. GRIDBORFORD R20 Film 5 TA26 R20 Film 5 TA26 R20 R20 Film 5 TA26 R20 R20 Film 5 TA26 R20 R20 R20 Film 5 TA26 R20				1				R404	0RD1001F608	
R394 R394 R395						1		R405	0RD8202F608	82K 1/6W 5 TA26
RISSIDE RISS	1		1					R406	0RD2201F608	
R-93-22 GRO-1/2017-1008 4.7% 1/8W 5 Ta26 R-940 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 R-940 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 R-940 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 R-940 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 R-940 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 R-940 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 R-940 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 R-941 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 R-941 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 R-941 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 GRO-1/2017-1008 1.2% 1/8W 5 Ta26 GRO-1/2017-1008								R407	0RD2202F608	
RISAS GRID 1017FBB 1.KK			1	1				R408	0RD2203F608	
R30.56					,			R409	0RD1201F608	
R39.6 GRIJ1011F088 J.OK JRW S TA26 R401 GRIJ1001F680 R418 GRIJ1001F680								R40A	0RD1201F608	
R30.5 GRIDOLIFORD 1.0K 19W 5 Ta26 R410 GRIDOLIFEOR 1.0K 19W 5 Ta26 R411 GRIDOLIFEOR 1.0K 19W 5 Ta26 R411 GRIDOLIFEOR 1.0K 19W 5 Ta26 R411 GRIDOLIFEOR 1.0K 19W 5 Ta26 R411 GRIDOLIFEOR 1.0K 19W 5 Ta26 R411 GRIDOLIFEOR 1.0K 19W 5 Ta26 R412 GRIDOLIFEOR 1.0K 19W 5 Ta26 R413 GRIDOLIFEOR 1.2K 19W 5 Ta26 R418 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR 1.2K 19W 5 Ta26 R420 GRIDOLIFEOR	1		1					R40B	0RD1001F608	
R3A8 GRUDIO/FIBIO	1			1				R410	0RD1001F608	1.0K 1/6W 5 TA26
R389 GHD8027608 SK 179W 5 TA26 R412 GR01001F608 1.0K 178W 5 TA26 R414 GR01201F608 1.2K 178W 5 TA26 R415 GR01203F608 1.2K 178W 5 TA26 GR01203F608 1.2							1	R411	0RD4700F608	
R389								R412	0RD1001F608	
R350			ł					R413	0RD1001F608	
R381								R414	0RD1201F608	
Rase								R415	0RD2203F608	
RASE A								R416	0RD2202F608	
Rase ORD-07076608 Rase ORD-07076608]	1				i		R417	0RD2702F608	
R386 R387 R387 R387 R388 R389 R389 R389 R389 R389 R389 R389								R418	0RD1502F608	
R389					· · · · · · · · · · · · · · · · · · ·			R419	0RD3303F608	
R388								R420	0RD1502F608	
R389			1					R421		
H389								R422		
R3C1 ORD4701F608 4,7K 16W 5 TA26 R425 ORD1001F608 3,9K 16W 5 TA26 R425 ORD1001F608 3,9K 16W 5 TA26 R426 ORD1002F608 ORD201F608 2,2K 16W 5 TA26 R427 ORD1002F608 ORD201F608 2,2K 16W 5 TA26 R428 ORD1002F608 ORD201F608 2,2K 16W 5 TA26 R428 ORD200F608 2,2K 16W 5 TA26 R428 ORD200F608 2,2K 16W 5 TA26 R428 ORD200F608								R423		
R3C2 ORD4701F608 4,7K 196W 5 TA26 R425 ORD02901F608 36 K 196W 5 TA26 R426 ORD02901F608 A 7K 196W 5 TA26 R427 ORD02901F608 A 7K 196W 5 TA26 R428 ORD02901F608 A 7K 196W 5 TA26 R428 ORD02901F608 A 7K 196W 5 TA26 R429 ORD02901F608 A 7K 196W 5 TA26 A 7K 196W 5 TA26 R429 ORD02901F608 A 7K 196W 5 TA26 R429 ORD02901F608 A 7K 196W 5 TA26								R424		
H302 R303 R30201F608 A7K 1/6W 5 TA26 R427 R427 R428 R428 R427 R428			1					R425	0RD3901F608	
H303	1							R426		
R3C6	1 1		1					R427	0RD2201F608	
R3C7 GR02201F608 22K 1/6W 5 TA26 R439 GR02200F608 R3C8 GR02201F608 R3C8 GR0	1							R428	0RD2200F608	
R350			1 1					R429	0RD2200F608	
R350 R350 ORD1002F608 Tok 16W 5 TA26 R431 ORD2202F608 22K 16W 5 TA26 R432 ORD1002F608 TA26 R432 ORD1002F608 TA26 R434 ORD2202F608 Z2K 16W 5 TA26 R434 ORD2202F608 Z2K 16W 5 TA26 R434 ORD2202F608 Z2K 16W 5 TA26 R434 ORD2202F608 Z2K 16W 5 TA26 R434 ORD2202F608 Z2K 16W 5 TA26 R434 ORD2202F608 Z2K 16W 5 TA26 R434 ORD2202F608 Z2K 16W 5 TA26 R434 ORD2202F608 Z2K 16W 5 TA26 R434 ORD2202F608 Z2K 16W 5 TA26 R434 ORD2202F608 Z2K 16W 5 TA26 R435 ORD2202F608 Z2K 16W 5 TA26 R436 ORD2202F608 Z2K 16W 5 TA26 R437 ORD2201F608 Z2K 16W 5 TA26 R437 ORD2201F608 Z2K 16W 5 TA26 R436 ORD2201F608 Z2K 16W 5 TA26 R436 ORD2201F608 Z2K 16W 5 TA26 R440 ORD2201F608 Z2K 16W 5 TA26 R440 ORD2201F608 Z2K 16W 5 TA26 R440 ORD2201F608 Z2K 16W 5 TA26 R440 ORD2201F608 Z2K 16W 5 TA26 R440 ORD2201F608 Z2K 16W 5 TA26 R440 ORD2201F608 Z2K 16W 5 TA26 R440 ORD2201F608 Z2K 16W 5 TA26 R440 ORD2201F608 Z2K 16W 5 TA26 ORD2202F608 Z2K 16W 5 TA26 O								R430	0RD2201F608	
R3E1 ORD1002F608 10K 1/6W 5 TA26 R432 ORD1802F608 12K 1/6W 5 TA26 R433 ORD2202F608 22K 1/6W 5 TA26 R434 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R436 ORD3202F608 A70K 1/6W 5 TA26 R437 ORD2201F608 A70K 1/6W 5 TA26 R439 ORD4703F608 A70K 1/6W 5 TA26 R440 ORD2201F608 22K 1/6W 5 TA26 R440 ORD2201F608 22K 1/6W 5 TA26 R441 ORD2201F608 22K 1/6W 5 TA26 R441 ORD2201F608 22K 1/6W 5 TA26 R441 ORD2201F608 22K 1/6W 5 TA26 R441 ORD2201F608 22K 1/6W 5 TA26 R441 ORD2201F608 22K 1/6W 5 TA26 R441 ORD2201F608 22K 1/6W 5 TA26 R441 ORD2201F608 22K 1/6W 5 TA26 R441 ORD2201F608 22K 1/6W 5 TA26 R441 ORD2201F608 22K 1/6W 5 TA26 R441 ORD2201F608 22K 1/6W 5 TA26 R441 ORD2201F608 22K 1/6W 5 TA26 R441 ORD2701F608 22K 1/6W 5 TA26 ORD1801F608 12K 1/6W 5 TA26 ORD1801F608 12K 1/6W 5 TA26 ORD1801F608 12K 1/6W 5 TA26 ORD1801F608 12K 1/6W 5 TA26 ORD1801F608 12K 1/6W 5 TA26 ORD1801F608 33K 1/6W 5 TA26								R431	0RD2202F608	
R3E2 ORDA701F608 A7K 1/6W 5 TA26 R433 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R435 ORD2202F608 22K 1/6W 5 TA26 R436 ORD8200F608 G80 1/6W 5 TA26 R437 ORD8201F608 A70K 1/6W 5 TA26 R439 ORD2201F608 22K 1/6W 5 TA26 R439 ORD2201F608 22K 1/6W 5 TA26 ORD2201F608 22K 1/6W 5 TA26 R440 ORD2201F608 22K 1/6W 5 TA26 R440 ORD2201F608 22K 1/6W 5 TA26 R441 ORD2201F608 22K 1/6W 5 TA26 ORD1201F608 A70K 1/6W 5 TA26 R441 ORD2201F608 A70K 1/6W 5 TA26 ORD1201F608 A70K 1/6W 5 T	1 1							R432	0RD1802F608	
R352	ΙI							R433	0RD2201F608	
R354 ORD								R434	0RD2202F608	
R3E5								R435	0RD2202F608	
R3E6 ORD/201F608 A70K 1/6W 5 TA26 R438 ORD/201F608 A70K 1/6W 5 TA26 R3E7 ORD/201F608 A70K 1/6W 5 TA26 R440 ORD/201F608 A70K 1/6W 5 TA26 R440 ORD/201F608 A70K 1/6W 5 TA26 R440 ORD/201F608 A70K 1/6W 5 TA26 R440 ORD/201F608 A70K 1/6W 5 TA26 R440 ORD/201F608 A70K 1/6W 5 TA26 R440 ORD/201F608 A70K 1/6W 5 TA26 R441 ORD/201F608 A70K 1/6W 5 TA26 R441 ORD/201F608 A70K 1/6W 5 TA26 R441 ORD/201F608 A70K 1/6W 5 TA26 A70K 1								R436	0RD5601F608	
R3E7 ORD2/031608 470 1/6W 5 TA26 R3E8 ORD47006608 470 1/6W 5 TA26 R3E9 ORD1003608 100K 1/6W 5 TA26 R3E9 ORD1003608 100K 1/6W 5 TA26 R440 ORD2201608 22K 1/6W 5 TA26 R441 ORD2201608 22K 1/6W 5 TA26 R442 ORD2202608 22K 1/6W 5 TA26 R442 ORD22026608 22K 1/6W 5 TA26 R443 ORD22026608 22K 1/6W 5 TA26 R444 ORD2701608 22K 1/6W 5 TA26 R445 ORD1003608 1.2K 1/6W 5 TA26 R445 ORD1003608 1.2K 1/6W 5 TA26 R445 ORD1003608 1.2K 1/6W 5 TA26 R445 ORD1003608 1.2K 1/6W 5 TA26 R445 ORD1003608 1.2K 1/6W 5 TA26 R445 ORD1003608 1.2K 1/6W 5 TA26 R446 ORD2701608 1.2K 1/6W 5 TA26 R446 ORD2701608 1.2K 1/6W 5 TA26 R447 ORD1003608 1.2K 1/6W 5 TA26 R448 ORD10026608 R470 1/6W 5 TA26 R448 ORD10026608 R470 1/6W 5 TA26 R448 ORD10026608 R470 1/6W 5 TA26 R449 ORD10026608 R470 1/6W 5 TA26 R449 ORD10026608 R470 1/6W 5 TA26 R449 ORD10026608 R470 1/6W 5 TA26 R449 ORD10026608 R470 1/6W 5 TA26 R449 ORD10026608 R470 1/6W 5 TA26 R449 ORD10026608 R470 1/6W 5 TA26 R449 ORD10026608 R470 1/6W 5 TA26 R450 ORD10026608 ORD10026608 R450 ORD10026608 ORD10026608 ORD10026608 ORD10026608 ORD10026608 ORD10026608 ORD10026608 ORD10026608 ORD10026608 ORD10026608 ORD10026608 ORD10026608 ORD1								R437	0RD6800F608	
R3E8							J	R438	0RD4703F608	
R3E9		ı			2.2K 1/6W 5 TA26			R439	0RD2201F608	
R3F0								R440	0RD1802F608	
R3F0								R441	0RD2201F608	2.2K 1/6W 5 TA26
R3F2								R442	0RD2202F608	
R3F3		ı				1		R443	0RD1201F608	
R3F4							ı	R444	0RD2701F608	
R3F5								R445	0RD1201F608	
R3F6								R446	0RD2701F608	
R3F7		ı								
R3F8								R448	0RD1002F608	10K 1/6W 5 TA26
R3F9			,					R449	0RD1002F608	10K 1/6W 5 TA26
R3G0			1			1 1		R450	0RD1202F608	
R3G1								R451	0RD0102F608	10 1/6W 5 TA26
R3G2										
R3G2								R453	0RD4702F608	
R3G6	-									
R3K1								R455	ORD3900F608	390 1/6W 5 TA26
R3K2										10K 1/6W 5 TA26
R3K2		- 1								27K 1/6W 5 TA26
R3K3										
	ł						- 1	R459 (
			non4	2001-008 Punpagunt	DBU 1/6W 5 1A26			R460 (PRD2702F608	

s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	s	Al	LOCA.NO	PART NO(GS)	SPECIFICATION
	П	R461	0RD2701F608	2.7K 1/6W 5 TA26			R4C8	0RD2203F608	220K 1/6W 5 TA26
l		R462	0RD2701F608	2.7K 1/6W 5 TA26	ŀ		R4C9	0RD2203F608	220K 1/6W 5 TA26
1		R463	0RD2202F608	22K 1/6W 5 TA26	1		R501	0RD4701F608	4.7K 1/6W 5 TA26
		R464	0RD6800F608	680 1/6W 5 TA26	1		R502	0RD1503F608	150K 1/6W 5 TA26
ı		R465	0RD5602F608	56K 1/6W 5 TA26	-	1	R503	0RD1503F608	150K 1/6W 5 TA26
1		R466	0RD6801F608	6.8K 1/6W 5 TA26			R504	0RD1002F608	10K 1/6W 5 TA26
		R467	0RD1001F608	1.0K 1/6W 5 TA26		1	R505	0RD1002F608	10K 1/6W 5 TA26
1		R468	0RD1004F608	1.0M 1/6W 5 TA26			R506	0RD1003F608	100K 1/6W 5 TA26
		R469	0RD6801F608	6.8K 1/6W 5 TA26	1		R507	0RD1003F608	100K 1/6W 5 TA26
	1	R470	0RD1202F608	12K 1/6W 5 TA26	1	ŀ	R508	0RD1003F608	100K 1/6W 5 TA26 100K 1/6W 5 TA26
1	i	R471	0RD1001F608	1.0K 1/6W 5 TA26			R509 R510	0RD1003F608 0RD1003F608	100K 1/6W 5 TA26
1		R472	0RD1500F608	150 1/6W 5 TA26	1		R511	0RD1003F608	100K 1/6W 5 TA26
		R473	0RD0102F608	10 1/6W 5 TA26			R512	0RD1003F608	100K 1/6W 5 TA26
1		R474	0RD3902F608	39K 1/6W 5 TA26 6.8K 1/6W 5 TA26	1		R513	0RD2201F608	2.2K 1/6W 5 TA26
1		R475	ORD6801F608 ORD4702F608	47K 1/6W 5 TA26			R514	0RD2201F608	2.2K 1/6W 5 TA26
		R476 R478	0RD4702F608	47K 1/6W 5 TA26		1	R515	0RD1003F608	100K 1/6W 5 TA26
		R479	0RD4702F608	470 1/6W 5 TA26			R516	0RD1003F608	100K 1/6W 5 TA26
		R480	0RD4702F608	47K 1/6W 5 TA26			R517	0RD1003F608	100K 1/6W 5 TA26
		R482	0RD4702F608	47K 1/6W 5 TA26	1		R518	0RD1003F608	100K 1/6W 5 TA26
1		R484	0RD3902F608	39K 1/6W 5 TA26			R519	0RD1003F608	100K 1/6W 5 TA26
	1	R485	0RD5601F608	5.6K 1/6W 5 TA26			R520	0RD1003F608	100K 1/6W 5 TA26
1		R486	0RD3902F608	39K 1/6W 5 TA26	- 1		R521	0RD1800F608	180 1/6W 5 TA26
1		R487	0RD2201F608	2.2K 1/6W 5 TA26			R522	0RD1800F608	180 1/6W 5 TA26
ł		R488	0RD1001F608	1.0K 1/6W 5 TA26		1	R523	0RD4702F608	47K 1/6W 5 TA26
		R489	0RD1001F608	1.0K 1/6W 5 TA26	1		R524	0RD4701F608	4.7K 1/6W 5 TA26
1		R490	0RD1001F608	1.0K 1/6W 5 TA26		1	R525	0RD4701F608	4.7K 1/6W 5 TA26
		R491	0RD1001F608	1.0K 1/6W 5 TA26			R526	0RD1002F608	10K 1/6W 5 TA26
		R492	0RD1001F608	1.0K 1/6W 5 TA26			R527	0RD4701F608	4.7K 1/6W 5 TA26
		R494	0RD5602F608	56K 1/6W 5 TA26			R528	0RD4701F608	4.7K 1/6W 5 TA26
		R495	0RD2201F608	2.2K 1/6W 5 TA26		1	R529	0RD1002F608	10K 1/6W 5 TA26
1		R496	0RD1001F608	1.0K 1/6W 5 TA26		-	R530	0RD1002F608	10K 1/6W 5 TA26
1	1	R497	0RD5602F608	56K 1/6W 5 TA26			R531	0RD1802F608	18K 1/6W 5 TA26
1	1	R498	0RD2701F608	2.7K 1/6W 5 TA26		1	R532 R533	0RD1802F608 0RD8203F608	18K 1/6W 5 TA26 820K 1/6W 5 TA26
		R499	0RD1002F608	10K 1/6W 5 TA26 18K 1/6W 5 TA26			R534	0RD8203F608	820K 1/6W 5 TA26
1	1	R4A0	0RD1802F608	33K 1/6W 5 TA26			R535	0RD4701F608	4.7K 1/6W 5 TA26
	1	R4A1 R4A2	0RD3302F608 0RD4700F608	470 1/6W 5 TA26	- 1		R536	0RD4702F608	47K 1/6W 5 TA26
		R4A3	0RD8200F608	820 1/6W 5 TA26	-	1	R537	0RD1004F608	1.0M 1/6W 5 TA26
1		R4A4	0RD1001F608	1.0K 1/6W 5 TA26			R538	0RD1204F608	1.2M 1/6W 5 TA26
		R4A5	0RD1001F608	1.0K 1/6W 5 TA26	1		R539	0RD1501F608	1.5K 1/6W 5 TA26
	İ	R4A6	0RD4701F608	4.7K 1/6W 5 TA26			R541	0RD0221F608	2.2 1/6W 5 TA26
		R4A7	0RD1001F608	1.0K 1/6W 5 TA26			R542	0RD0221F608	2.2 1/6W 5 TA26
		R4A8	0RD4702F608	47K 1/6W 5 TA26			R543	0RD0221F608	2.2 1/6W 5 TA26
		R4A9	0RD1002F608	10K 1/6W 5 TA26			R544	0RD1003F608	100K 1/6W 5 TA26
		R4B0	0RD1501F608	1.5K 1/6W 5 TA26			R545	0RD5601F608	5.6K 1/6W 5 TA26
		R4B1	0RD1801F608	1.8K 1/6W 5 TA26			R546	0RD6800F608	680 1/6W 5 TA26
1		R4B2	0RD2201F608	2.2K 1/6W 5 TA26			R547	0RD1002F608	10K 1/6W 5 TA26
1		R4B3	0RD6800F608	680 1/6W 5 TA26			R548	0RD1002F608	10K 1/6W 5 TA26
	1	R4B4	0RD4701F608	4.7K 1/6W 5 TA26			R549	0RD4700F608	470 1/6W 5 TA26
1		R4B5	0RD4701F608	4.7K 1/6W 5 TA26			R550	0RD1002F608	10K 1/6W 5 TA26
1		R4B6	0RD6800F608	680 1/6W 5 TA26			R551	0RD1002F608	10K 1/6W 5 TA26
		R4B7	0RD2201F608	2.2K 1/6W 5 TA26			R552	0RD1002F608	10K 1/6W 5 TA26
		R4B8	0RD1501F608	1.5K 1/6W 5 TA26			R553	0RD2201F608	2.2K 1/6W 5 TA26
		R4B9	0RD1801F608	1.8K 1/6W 5 TA26			R554	0RD3301F608 0RD4701F608	3.3K 1/6W 5 TA26 4.7K 1/6W 5 TA26
1		R4C0	0RD1002F608	10K 1/6W 5 TA26	[R555	0RD2202F608	22K 1/6W 5 TA26
		R4C1	0RD4702F608	47K 1/6W 5 TA26			R556 R557	0RD0101F608	1.0 1/6W 5 TA26
		R4C3	0RD1001F608	1.0K 1/6W 5 TA26			R558	0RD0101F608	1.0 1/6W 5 TA26
		R4C4	0RD1001F608	1.0K 1/6W 5 TA26 33K 1/6W 5 TA26			R559	0RD0101F608	1.0 1/6W 5 TA26
		R4C5 R4C6	0RD3302F608 0RD1503F608	150K 1/6W 5 TA26			R560	0RD0101F608	1.0 1/6W 5 TA26
		R4C7	0RD1503F608	150K 1/6W 5 TA26			R561	0RD1002F608	10K 1/6W 5 TA26
	\perp	1.1-07	0.15.10001.000	1.501.1751.5 1742	ΙL				

			T	T	-	Г		T	RUN DATE : 95.09.27
s	AL	LOCA.NO	` '		s	A	L LOCA.NO	PART NO(GS)	SPECIFICATION
		R562	0RD3300F608	330 1/6W 5 TA26			R616	0RD2203F608	220K 1/6W 5 TA26
		R563 R564	0RD1002F608	10K 1/6W 5 TA26	1		R617	0RD2203F608	220K 1/6W 5 TA26
		R565	0RD1002F608	10K 1/6W 5 TA26	11		R618	0RD2203F608	220K 1/6W 5 TA26
		R566	0RD2701F608	2.7K 1/6W 5 TA26			R619	0RD1501F608	1.5K 1/6W 5 TA26
			0RD1003F608	100K 1/6W 5 TA26			R620	0RD8202F608	82K 1/6W 5 TA26
		R567	0RD1002F608	10K 1/6W 5 TA26	11		R621	0RD2203F608	220K 1/6W 5 TA26
		R568 R569	0RD1002F608	10K 1/6W 5 TA26	11	1	R623	0RD8202F608	82K 1/6W 5 TA26
		R570	0RD1002F608	10K 1/6W 5 TA26	11		R627	0RD3902F608	39K 1/6W 5 TA26
			0RD4700F608	470 1/6W 5 TA26		ļ	R628	0RD1203F608	120K 1/6W 5 TA26
		R571	0RD1002F608	10K 1/6W 5 TA26	11		R629	0RD1203F608	120K 1/6W 5 TA26
		R572 R573	0RD1002F608 0RD1002F608	10K 1/6W 5 TA26	1		R630	0RD3902F608	39K 1/6W 5 TA26
		R574	0RD2702F608	10K 1/6W 5 TA26			R631	0RD8200F608	820 1/6W 5 TA26
		R575	0RD2702F608	27K 1/6W 5 TA26 27K 1/6W 5 TA26			R632	0RD8200F608	820 1/6W 5 TA26
		R576	0RD2702F608	27K 1/6W 5 TA26			R635	0RD1501F608	1.5K 1/6W 5 TA26
		R577	0RD3302F608	33K 1/6W 5 TA26			R636	0RD1001F608	1.0K 1/6W 5 TA26
		R578	0RD2202F608	22K 1/6W 5 TA26			R637	0RD1002F608	10K 1/6W 5 TA26
		R579	0RD6800F608	680 1/6W 5 TA26			R6A0	0RD2200F608	220 1/6W 5 TA26
		R580	0RD1001F608	1.0K 1/6W 5 TA26			R6A1	0RD3300F608	330 1/6W 5 TA26
		R581	0RD3900F608	390 1/6W 5 TA26			R6A2	0RD3900F608	390 1/6W 5 TA26
		R582	0RD1004F608	1.0M 1/6W 5 TA26		1	R6A3	0RD4700F608	470 1/6W 5 TA26
		R583	0RD4701F608	4.7K 1/6W 5 TA26			R6A4	0RD6800F608	680 1/6W 5 TA26
		R584	0RD4701F608	4.7K 1/6W 5 TA26			R6A5	0RD1001F608	1.0K 1/6W 5 TA26
		R585	0RD4701F608	4.7K 1/6W 5 TA26			R6A6	0RD1501F608	1.5K 1/6W 5 TA26
		R586	0RD4701F608	4.7K 1/6W 5 TA26	11		R6A7	0RD2201F608	2.2K 1/6W 5 TA26
		R587	0RD4701F608	4.7K 1/6W 5 TA26			R6A8	0RD3301F608	3.3K 1/6W 5 TA26
	ĺ	R588	0RD3301F608	3.3K 1/6W 5 TA26			R6A9	0RD5601F608	5.6K 1/6W 5 TA26
		R589	0RD1202F608	12K 1/6W 5 TA26	11	1	R6B1	0RD1201F608	1.2K 1/6W 5 TA26
		R590	0RD2202F608	22K 1/6W 5 TA26	1		R701 R702	0RD1000F608	100 1/6W 5 TA26
		R591	0RD1003F608	100K 1/6W 5 TA26			R703	0RD4701F608	4.7K 1/6W 5 TA26
		R592	0RD1001F608	1.0K 1/6W 5 TA26	11		R704	0RD1001F608	1.0K 1/6W 5 TA26
		R593	0RD0562F608	56 1/6W 5 TA26			R705	0RD1001F608 0RD1000F608	1.0K 1/6W 5 TA26
		R594	0RD1001F608	1.0K 1/6W 5 TA26	11		R706	0RD2701F608	100 1/6W 5 TA26
		R595	0RD4701F608	4.7K 1/6W 5 TA26			R707	0RD1001F608	2.7K 1/6W 5 TA26 1.0K 1/6W 5 TA26
	-	R596	0RD2202F608	22K 1/6W 5 TA26			R708	0RD2700F608	270 1/6W 5 TA26
	- [R597	0RD2202F608	22K 1/6W 5 TA26			R710	0RD1802F608	18K 1/6W 5 TA26
- 1		R598	0RD2201F608	2.2K 1/6W 5 TA26]]		R711	0RD1002F608	10K 1/6W 5 TA26
		R599	0RD4703F608	470K 1/6W 5 TA26			R712	0RD1001F608	1.0K 1/6W 5 TA26
		R5A1	0RD8203F608	820K 1/6W 5 TA26			R714	0RD2700F608	270 1/6W 5 TA26
	- 1	R5A2	0RD6803F608	680K 1/6W 5 TA26			R715	0RD3300F608	330 1/6W 5 TA26
	- 1	R5A3	0RD1800F608	180 1/6W 5 TA26	11		R716	0RD1001F608	1.0K 1/6W 5 TA26
- 1	- 1	R5A4	0RD1002F608	10K 1/6W 5 TA26			R717	0RD2200F608	220 1/6W 5 TA26
			0RD1002F608	10K 1/6W 5 TA26			R729	0RD2201F608	2.2K 1/6W 5 TA26
		R5A6	0RD4701F608	4.7K 1/6W 5 TA26			R730	0RD2201F608	2.2K 1/6W 5 TA26
			0RD4701F608	4.7K 1/6W 5 TA26			R731	0RD1000F608	100 1/6W 5 TA26
	- 1		0RD4701F608	4.7K 1/6W 5 TA26			R732	0RD5601F608	5.6K 1/6W 5 TA26
	- 1		0RD4701F608	4.7K 1/6W 5 TA26			R733	0RD1001F608	1.0K 1/6W 5 TA26
-	- 1		0RD3300F608	330 1/6W 5 TA26			R734	0RD1000F608	100 1/6W 5 TA26
	- 1	,	ORD3900F608	390 1/6W 5 TA26			R735	0RD5601F608	5.6K 1/6W 5 TA26
			0RD4700F608	470 1/6W 5 TA26			R736	0RD1001F608	1.0K 1/6W 5 TA26
	- 1		0RD6800F608	680 1/6W 5 TA26				0RD4700F608	470 1/6W 5 TA26
			0RD1001F608	1.0K 1/6W 5 TA26			R738	0RD2701F608	2.7K 1/6W 5 TA26
			0RD1501F608	1.5K 1/6W 5 TA26				0RD1001F608	1.0K 1/6W 5 TA26
ļ			0RD4701F608	4.7K 1/6W 5 TA26			1	0RD2702F608	27K 1/6W 5 TA26
	1		0RD4701F608	4.7K 1/6W 5 TA26				0RD1802F608	18K 1/6W 5 TA26
	- 1		0RD4701F608	4.7K 1/6W 5 TA26				0RD1001F608	1.0K 1/6W 5 TA26
	- 1		0RD3302F608	33K 1/6W 5 TA26				0RD1001F608	1.0K 1/6W 5 TA26
	- 1		0RD1200F608	120 1/6W 5 TA26				0RD1203F608	120K 1/6W 5 TA26
	- 1		0RD4700F608	470 1/6W 5 TA26			_	0RD5601F608	5.6K 1/6W 5 TA26
			0RD5600F608	560 1/6W 5 TA26				0RD8201F608	8.2K 1/6W 5 TA26
	- 1		0RD5600F608 0RD0471F608	560 1/6W 5 TA26			_	0RD3902F608	39K 1/6W 5 TA26
_			011D04/11000	4.7 1/6W 5 TA26			R805	0RD1002F608	10K 1/6W 5 TA26

s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION		s	
		R806	0RD1202F608	12K 1/6W 5 TA26			
		R807	0RD8201F608	8.2K 1/6W 5 TA26			
		R808	0RD2201F608	2.2K 1/6W 5 TA26			
		R809	0RD1001F608	1.0K 1/6W 5 TA26 1.0K 1/6W 5 TA26			
		R810	0RD1001F608	220 1/6W 5 TA26			
		R811 R812	0RD2200F608 0RD4700F608	470 1/6W 5 TA26			
		R813	0RD1001F608	1.0K 1/6W 5 TA26			
1		R814	0RD3302F608	33K 1/6W 5 TA26	l		
		R815	0RD1002F608	10K 1/6W 5 TA26		1	
		R816	0RD4701F608	4.7K 1/6W 5 TA26	1		
		R817	0RD4701F608	4.7K 1/6W 5 TA26			
ļ		R818	0RD1003F608	100K 1/6W 5 TA26			
		R819	0RD6803F608	680K 1/6W 5 TA26			
		R820	0RD1002F608	10K 1/6W 5 TA26 390 1/6W 5 TA26		ı	
1		R821	0RD3900F608	1.0K 1/6W 5 TA26		1	
		R822	0RD1001F608 0RD1001F608	1.0K 1/6W 5 TA26		1	
		R823 R824	0RD1001F608	1.0K 1/6W 5 TA26		1	
	1	R825	0RD4701F608	4.7K 1/6W 5 TA26			
1		R826	0RD4701F608	4.7K 1/6W 5 TA26	1		
		R831	0RD4703F608	470K 1/6W 5 TA26		1	
1		R832	0RD6802F608	68K 1/6W 5 TA26			
1		R833	0RD4700F608	470 1/6W 5 TA26	1	1	
	1	R834	0RD2203F608	220K 1/6W 5 TA26		1	
1	1	R835	0RD3302F608	33K 1/6W 5 TA26			
1		R836	ORD1001F608	1.0K 1/6W 5 TA26 4.7K 1/6W 5 TA26		1	
		R837	0RD4701F608 0RD2203F608	220K 1/6W 5 TA26		1	
		R838 R839	0RD2702F608	27K 1/6W 5 TA26		1	
		R840	0RD0752F608	75 1/6W 5 TA26	1		
		R841	0RD0752F608	75 1/6W 5 TA26		١	
1		R842	0RD0752F608	75 1/6W 5 TA26		١	
	1	R843	0RD1001F608	1.0K 1/6W 5 TA26		1	
		R844	0RD1001F608	1.0K 1/6W 5 TA26		1	
		R847	0RD0752F608	75 1/6W 5 TA26		1	
1		R848	0RD1001F608	1.0K 1/6W 5 TA26 1.0K 1/6W 5 TA26	1	١	
		R849	0RD1001F608	68 1/6W 5 TA26		1	
		R850	0RD0682F608 0RD0752F608	75 1/6W 5 TA26		1	
		R851 R852	0RD1001F608	1.0K 1/6W 5 TA26			
		R857	0RD8202F608	82K 1/6W 5 TA26			
		R858	0RD8202F608	82K 1/6W 5 TA26		1	
		R859	0RD6802F608				
1	1	R860	0RD6802F608	TAGO			
		R861	0RD5602F608				
ŀ		R862	0RD5602F608	TAGG			
	1	R863	0RD8202F608			1	
		R865	0RD8202F608				
		R867	0RD1203F608 0RD8202F608	T100		-	_
		R869	0RD5602F608				
		R870	0RD6802F608	68K 1/6W 5 TA26		ŀ	-
Ì		R871	0RD6802F608	68K 1/6W 5 TA26		-	_
		R872	0RD5602F608	56K 1/6W 5 TA26	-	-	
		R873	0RD8202F608				_
		R874	0RD1203F608		-		
1		R879	0RD3300F608		١		
		R891 R892	0RD1003F608 0RD0752F608		1		ĺ
		R893	0RD0752F608				L
		R894	0RD6800F608				
L							L

s	AI	LOCA.NO	PART NO(GS)	SPECIFICATION
_	-			8.2K 1/10W 5 D.R/TP
		R901	0RH8201D622 0RH1000D622	100 1/10W 5 D.R/TP
		R902	0RH8200D622	820 1/10W 5 D.R/TP
		R903	0RH4702D622	47K 1/10W 5 D.R/TP
		R904	0RH1200D622	120 1/10W 5 D.R/TP
	1	R905	0RH5602D622	56K 1/10W 5 D.R/TP
	1	R906	0RH3903D622	390K 1/10W 5 D.R/TP
		R907 R908	0RH4703D622	470K 1/10W 5 D.R/TP
		R909	0RH5601D622	5.6K 1/10W 5 D.R/TP
	1	R910	0RD0752F608	75 1/6W 5 TA26
l	1	R911	0RH0752D622	75 1/10W 5 D.R/TP
		R912	0RH0752D622	75 1/10W 5 D.R/TP
		R913	0RH0752D622	75 1/10W 5 D.R/TP
		R914	0RH1002D622	10K 1/10W 5 D.R/TP
	1	R915	0RH4701D622	4.7K 1/10W 5 D.R/TP
İ	1	R916	0RH0102D622	10 1/10W 5 D.R/TP
1		R917	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R918	0RH1001D622	1.0K 1/10W 5 D.R/TP
	-	R919	0RH5600D622	560 1/10W 5 D.R/TP
		R921	0RH1001D622	1.0K 1/10W 5 D.R/TP
ı	1	R922	0RH1202D622	12K 1/10W 5 D.R/TP
1		R923	0RH1802D622	18K 1/10W 5 D.R/TP
		R924	0RH3901D622	3.9K 1/10W 5 D.R/TP
1		R926	0RD1001F608	1.0K 1/6W 5 TA26
i	1	R930	0RH5600D622	560 1/10W 5 D.R/TP
1	1	R950	0RH1002D622	10K 1/10W 5 D.R/TP
1		R951	0RH1002D622	10K 1/10W 5 D.R/TP
1		RP01	614-007A	2.7/2W CEMENT SMPS V
1	1	RP02	0RD1503H600	150K 1/2W 5 A
1	1	RP03	0RD1001F608	1.0K 1/6W 5 TA26
1		RP04	0RS0562J600	56 1W 5 A
	İ	RP05	0RD0221F608	2.2 1/6W 5 TA26
1	1	RP06	0RW0101K600	1 2W 5% A
1		RP07	0RD1201F608	1.2K 1/6W 5 TA26
	- 1	RP08	0RD2701F608	2.7K 1/6W 5 TA26
	1	RP09	0RN4701F408	4.7K 1/6W 1 TA26
		RP10	0RD4701F608	4.7K 1/6W 5 TA26
1		RP13	0RD3900F608	390 1/6W 5 TA26
1	- 1	RP14	0RD1000F608	100 1/6W 5 TA26
		RP15	0RD2203F608	220K 1/6W 5 TA26
	-	RP16	0RD1003F608	100K 1/6W 5 TA26
1		RP21	0RN3001F408	
		W014	0RD1500F608	
		W950	0RH0000D622	
		W951	ORH0000D622	
		W952	0RH0000D622	
		W953	0RH0000D622	
١		W954	0RH0000D622	
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L		W956	0RH0000D622	0 1/10W 5 D.R/TP
ſ			REMOCO	ON RECEIVER
t	T	RC601	668-227C	RECE 15.0 3276A 2800 KOTEC
İ			S	CART
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		SW60	1 556-219A	SKHV10910A (GS ALPS)

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TUNER TU701 521-412A TUGG9-A01F G/ALPS FS 470 FTZ VARIABLE RESISTOR VR201 613-032U RH0638C15R0WA (100K) VR202 613-032U RH0638C15R0WA (100K) VR3A0 613-032U RH0638C15R0WA (22K) VR401 613-032Q RH0638CJ4R0WA (22K) VR402 613-032Q RH0638CJ4R0WA (22K) VR403 613-032U RH0638CJ4R0WA (22K) VR4A0 613-032Q RH0638CJ4R0WA (22K) VR4A1 613-032S RH0638CJ4R0WA (22K) VR4A2 613-032S RH0638CS4R0VA (47K) VR4A3 613-032S RH0638CS4R0VA (47K) VR4A4 613-032S RH0638CS4R0VA (47K) VR4A4 613-032C RH0638CJ4R0WA (22K) VR601 611-012I RK09K117000324B VR602 611-012I RK09K117000324B VR602 611-012I RK09K117000324B VR701 613-032Q RH0638CJ4R0WA (22K) CRYSTAL X202 529-001K 32.768KHZ 3*8 SEIKO (20PPM) X301 529-029F 4.433619M1Z 15PPM HC-49/U KSS X3A0 529-022F 4.433619M 30PPM CL=16P DL=1M X501 529-020R 12.000000MHZ 30PPM NO-TU L=4.0 X502 529-021Q 18.432MHZ DBS KUKJAE X801 529-019A CSB500F-9 MURATA X8A1 529-022V 17.734476MHZ CL-12P 25PPM LEAD
TU701 521-412A
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VR4A1 613-032S RH0638CS4R0VA (47K) VR4A2 613-032S RH0638CS4R0VA (47K) VR4A3 613-032S RH0638CS4R0VA (47K) VR4A4 613-032Q RH0638CJ4R0WA (22K) VR601 611-012I RK09K117000324B VR602 611-012I RK09K117000324B VR701 613-032Q RH0638CJ4R0WA (22K) CRYSTAL X202 529-001K 32.768KHZ 3*8 SEIKO (20PPM) X301 529-029K 4.433619MHZ 15PPM HC-49/U KSS X3A0 529-022F 4.433619M 30PPM CL=16P DL=1M X501 529-020R 12.00000MHZ 30PPM NO-TU L=4.0 X502 529-021Q 11.71875 30PPM CL=10P DL=1M X701 529-021Q 18.432MHZ DBS KUKJAE X801 529-019A CSB500F-9 MURATA X8A1 529-022V 17.734476MHZ CL-12P 25PPM LEAD
VR4A2 613-032S RH0638CS4R0VA (47K) VR4A3 613-032S RH0638CS4R0VA (47K) VR4A4 613-032Q RH0638CJ4R0WA (22K) VR601 611-012I RK09K117000324B VR701 613-032Q RH0638CJ4R0WA (22K) CRYSTAL X202 529-001K 32.768KHZ 3*8 SEIKO (20PPM) X301 529-029K 4.433619MHZ 15PPM HC-49/U KSS X3A0 529-022F 4.433619M 30PPM CL=16P DL=1M X501 529-020R 12.00000MHZ 30PPM NO-TU L=4.0 X502 529-021Q 18.432MHZ DBS KUKJAE X701 529-021Q 18.432MHZ DBS KUKJAE X801 529-022V 17.734476MHZ CL-12P 25PPM LEAD
VR4A3 613-032S RH0638CS4R0VA (47K) VR4A4 613-032Q RH0638CJ4R0WA (22K) VR601 611-012I RK09K117000324B VR701 613-032Q RH0638CJ4R0WA (22K) CRYSTAL X202 529-001K 32.768KHZ 3*8 SEIKO (20PPM) X301 529-029K 4.433619MHZ 15PPM HC-49/U KSS X3A0 529-022F 4.433619M 30PPM CL=16P DL=1M X501 529-020R 12.00000MHZ 30PPM NO-TU L=4.0 X502 529-021E 11.71875 30PPM CL=10P DL=1M X701 529-021Q 18.432MHZ DBS KUKJAE X801 529-019A CSB500F-9 MURATA X8A1 529-022V 17.734476MHZ CL-12P 25PPM LEAD
VR4A4 VR601 611-012I RK09K117000324B RK09K117000324B RK09K117000324B RK09K117000324B RH0638CJ4R0WA (22K) VR701 613-032Q RH0638CJ4R0WA (22K) CRYSTAL X202 529-001K 32.768KHZ 3*8 SEIKO (20PPM) X301 529-029K 4.433619MHZ 15PPM HC-49/U KSS 4.433619M 30PPM CL=16P DL=1M 12.00000MHZ 30PPM NO-TU L=4.0 X502 529-022E 11.71875 30PPM CL=10P DL=1M 18.432MHZ DBS KUKJAE X801 529-019A CSB500F-9 MURATA X8A1 529-022V 17.734476MHZ CL-12P 25PPM LEAD
VR601
VR602 VR701 613-032Q RK09K117000324B RH0638CJ4R0WA (22K) CRYSTAL X202 529-001K 32.768KHZ 3*8 SEIKO (20PPM) X301 529-029K 4.433619MHZ 15PPM HC-49/U KSS X3A0 529-022F 4.433619M 30PPM CL=16P DL=1M X501 529-020R 12.00000MHZ 30PPM NO-TU L=4.0 X502 529-022E 11.71875 30PPM CL=10P DL=1M X701 529-021Q 18.432MHZ DBS KUKJAE X801 529-019A CSB500F-9 MURATA X8A1 529-022V 17.734476MHZ CL-12P 25PPM LEAD
CRYSTAL X202
X202 529-001K 32.768KHZ 3*8 SEIKO (20PPM) X301
X301 529-029K 4.433619MHZ 15PPM HC-49/U KSS X3A0 529-022F 4.433619M 30PPM CL=16P DL=1M X501 529-020R 12.000000MHZ 30PPM NO-TU L=4.0 X502 529-022E 11.71875 30PPM CL=10P DL=1M X701 529-021Q 18.432MHZ DBS KUKJAE X801 529-019A CSB500F-9 MURATA X8A1 529-022V 17.734476MHZ CL-12P 25PPM LEAD
X3A0 529-022F 4.433619M 30PPM CL=16P DL=1M 12.000000MHZ 30PPM NO-TU L=4.0 X502 529-022E 11.71875 30PPM CL=10P DL=1M X701 529-021Q 18.432MHZ DBS KUKJAE X801 529-019A CSB500F-9 MURATA X8A1 529-022V 17.734476MHZ CL-12P 25PPM LEAD X8A1
X501 529-020R 12.000000MHZ 30PPM NO-TU L=4.0 X502 529-022E 11.71875 30PPM CL=10P DL=1M X701 529-021Q 18.432MHZ DBS KUKJAE X801 529-019A CSB500F-9 MURATA X8A1 529-022V 17.734476MHZ CL-12P 25PPM LEAD
X502 529-022E 11.71875 30PPM CL=10P DL=1M 18.432MHZ DBS KUKJAE X801 529-019A CSB500F-9 MURATA X8A1 529-022V 17.734476MHZ CL-12P 25PPM LEAD
X701 529-021Q 18.432MHZ DBS KUKJAE X801 529-019A CSB500F-9 MURATA X8A1 529-022V 17.734476MHZ CL-12P 25PPM LEAD
X801 529-019A CSB500F-9 MURATA X8A1 529-022V 17.734476MHZ CL-12P 25PPM LEAD
X8A1 529-022V 17.734476MHZ CL-12P 25PPM LEAD
X201 618-017A FCR6.0MCT2 TDK-J(TAPING)
ZENER DIODE
ZD201 0DZ820009AA MTZ8.2B TP ROHM-K
ZD202 0DZ620009AA MTZ6.2B (TA)
ZD203 0DZ620009AA MTZ6.2B (TA)
ZD205 0DZ560009CA MTZ5.6B TP ROHM-K
ZD301 0DZ620009AA MTZ6.2B (TA)
ZD302 ODZ620009AA MTZ6.2B (TA)
ZD304 0DZ100009AA MTZ10B MINI TP ROHM-K
ZD401 0DZ100009AA MTZ10B MINI TP ROHM-K
ZD402 0DZ100009AA MTZ10B MINI TP ROHM-K
ZD403 ODZ100009AA MTZ10B MINI TP ROHM-K

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s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		ZD501	0DZ620009AA	MTZ6.2B (TA)
		ZD601	0DZ160009BA	MTZ16B TP ROHM-K
		ZD602	0DZ160009BA	MTZ16B TP ROHM-K
		ZD701	0DZ100009AA	MTZ10B MINI TP ROHM-K
		ZD801	0DZ160009BA	MTZ16B TP ROHM-K
		ZD802	0DZ160009BA	MTZ16B TP ROHM-K
		ZD803	0DZ160009BA	MTZ16B TP ROHM-K
		ZD804	0DZ160009BA	MTZ16B TP ROHM-K
		ZD805	0DZ160009BA	MTZ16B TP ROHM-K
		ZD806	0DZ160009BA	MTZ16B TP ROHM-K
		ZD807	0DZ160009BA	MTZ16B TP ROHM-K
		ZD808	0DZ160009BA	MTZ16B TP ROHM-K
		ZD809	0DZ160009BA	MTZ16B TP ROHM-K
		ZD810	0DZ160009BA	MTZ16B TP ROHM-K
		ZD811	0DZ160009BA	MTZ16B TP ROHM-K
		ZD812	0DZ160009BA	MTZ16B TP ROHM-K
		ZD813 ZD814	0DZ160009BA	MTZ16B TP ROHM-K
ı		ZD815	0DZ160009BA 0DZ160009BA	MTZ16B TP ROHM-K
		ZD816	0DZ160009BA	MTZ16B TP ROHM-K
		ZD817	0DZ160009BA	MTZ16B TP ROHM-K
- 1		ZD818	0DZ160009BA	MTZ16B TP ROHM-K MTZ16B TP ROHM-K
		ZD819	0DZ160009BA	MTZ16B TP ROHM-K
		ZD820	0DZ160009BA	MTZ16B TP ROHM-K
		ZD821	0DZ160009BA	MTZ16B TP ROHM-K
		ZD822	0DZ160009BA	MTZ16B TP ROHM-K
		ZD823	0DZ160009BA	MTZ16B TP ROHM-K
			0DZ160009BA	MTZ16B TP ROHM-K
ļ	- 1	ZD825	0DZ160009BA	MTZ16B TP ROHM-K
		ZD826	0DZ160009BA	MTZ16B TP ROHM-K
			0DZ160009BA	MTZ16B TP ROHM-K
		ZD828	0DZ160009BA	MTZ16B TP ROHM-K
1		ZD829	0DZ160009BA	MTZ16B TP ROHM-K
		ZD830	0DZ160009BA	MTZ16B TP ROHM-K
			0DZ160009BA	MTZ16B TP ROHM-K
			0DZ160009BA	MTZ16B TP ROHM-K
			0DZ560009CA	MTZ5.6B TP ROHM-K
			0DZ560009CA	MTZ5.6B TP ROHM-K
			0DZ330009AF	MTZ33B,TP,ROHM-K
ĺ		ZDP02	0DZ560009CA	MTZ5.6B TP ROHM-K